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OM nucleic - nucleic search, using sw model
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Scoring table:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence:
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Perfect score:
                                                                                                                                                                                                                                                                                                                                                                               Result
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         and is derived by analysis of the total score distribution.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
                                                                                                                                                                                                                                                                                                                                            Score
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              December 25, 2002, 11:24:49; Search time 1371 Seconds (without alignments)
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1: /SIDS2/gcgdata/
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Copyright (c) 1993 - 2002 Compugen Ltd.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 131052/jogdata/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses/genses
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AAS20691
AAS20692
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Plasmid KZ 134 oli
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AAC63104 AAD29413	AAQ86761 AAZ95731 AAC63106	AAQ32872 AAQ87051 AAT28097 AAQ73305	AAT58221 AAV04870 AAZ08279 ABN47639 ABN57384	ABK12090 AAI64395 AAI64405 AAI76494 AAC52964 AAT85363 ABN41529	AAD22954 ABK88204 AAL31509 ABL53039 ABL55041 ABL53043 ABL53043 AABL52234 AAX80718 AAX24706 AAX84706 AAX84706 AAX84706 AAX84706	AAD22953
Shiga-like toxin I PCR primer to crea		Human apolipoprote Apolipoprotein E g Probe 07L1 isolate Mini-attTn7 primer	Candida CYB1 gene PCR primer 2 used PCR primer-1 used Human spliced tran Mouse spliced tran	C-terminal CEE-Zal C-terminal CEE-Zal PCR primer #2. Un PCR primer #12. U Human silent SNP C Human shidopsis thalla C. krusel non-tran Human spliced tran	Bar3/KZ.34/raipani Human cytochrome b Human SMP oligonuc oligonucleotide JC oligonucleotide JC oligonucleotide JC oligonucleotide JC Oligonucleotide JC HCV MS5B gene ampl zsiglo primer ZCI primer ZCI Primer ZCI Primer ZCI	BaF3/KZ134/zalphi

ALIGNMENTS

RESULT 1 AAZ92037

AAZ92037 standard; DNA; 21 BP

AAZ92037;

STAT5 binding sequence oligonucleotide MGFe. 08-JUN-2000 (first entry)

STATS protein; signal transducer and activator of transcription 5; protein binding sequence; transcription factor modulator; inhibitor; malignant; call removal; proliferative malignancy; nooplastic disease; immunological disorder; inflammatory disorder; therapy; ds.

80 Synthetic 2020006696-A2

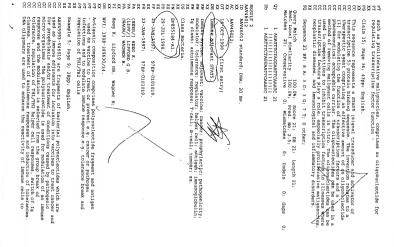
30-JUL-1998 30-JUL-1999; 10-FEB-2000 98US-0094695 9WO-US17366

Zuckerman KS, Liu RY; (UYSF-) UNIV SOUTH FLORIDA

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Therapeutic agent for treating transcription factor-related illnesses WPI; 2000-195281/17.



RESULT 3 Query Match Disclosure; Page 76; 195pp; English. New isolated muring Toll; like receptor (TLR)9, TLR), TLR8 polyperides, useful for identifying species specificity of immunostimulatory nucleic acid and identifying immunostimulatory nucleic acids WP1; 2002-393964/42 Bauer S, (COLE-) COLEY PHARM GMBH 17-SEP-2001; 21-MAR-2002 W0200222809-A2. Unidentified Murine Toll-like receptor; TLR9; TLR7; TL/R8; ISNA; ds Murine Toll-like receptor related CpG DNA SEQ ID No 30 05-SEP-2002 AAL39155 AAL39155 standard; DNA; 20 BP Sequence 20 BP; 7 A; 3 C; 3 G; 7 T; 0 other; Dacterial sequences Viral, borterial and parasitic antigens, to break tolerance in mengic T and B colls e.g. against timour antigens, as adjournes in vecination against tumour defined antigens and immunos timulatory substances in an immune response spainst tumours and to suppress immune sections of the innate and acquired immune system. The composition is inexpensive and eachig and does not cause eighbal above, which happens with prior art 1 AGATTTCTAGGAATTCAA 18 TOCA1 1 AGATTTCTAGGAATTCAA 18 Similarity Lipford G, Conservative 2001US-300/210P 200005-2330 2001WO-US292 (first entry) 2001US-263657P. 2001US-291726P. 100.0%; 0 Score 18; Pred. No. Mismatches DB 19; 0, Length 20; Indels

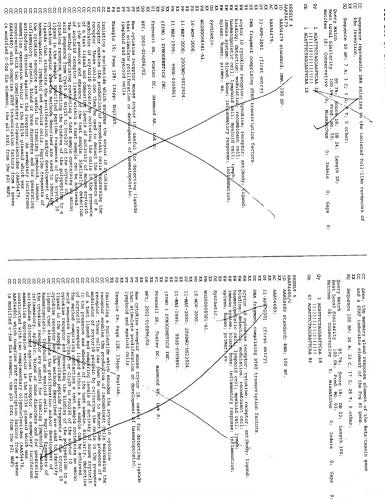
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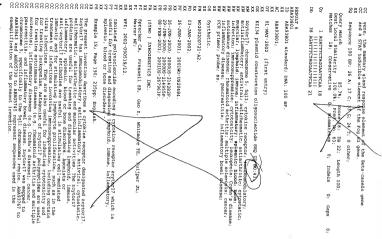
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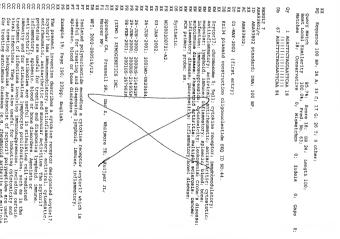
C ragin and Tails polymetrides. These polymetrides comparise (high yadrided consumences of 1937) Additional content fragments, where Tails, That and Tails polymetrides or their fragments have a mainto and sequence which is identical to be man Tails, or content for a marine fragments have a mainto and sequence which is identical to be man Tails, or and to a security of a marine fragments properties for fragment adopt for the least one mainto and security fragments. The comparise which interests with a Tail Replymetride or its fragment. The comparise which interests with a Tail Replymetride or its fragment. The comparise of the fragment of the control of the comparise which interests with a Tail Replymetride or its fragment. The comparise of the The invention relates to isolated murine Toll-like receptors (TLR)9.

B õ

Gaps







for treating autoimmume diseases (e.g., rhomomout arthritis and maitiple solerosis), inflamentory diseases (e.g., concert), performance (e.g., concert), performance (e.g., concert), performance (e.g., concert), concert, concerts, and inflamentory town diseases. Systemy to concert to concerts (e.g., concerts), performance (e.g., concer

exemplification of the present invention.

Sequence 100 BP; 26 A; 17 C; 33 G; 24 T; 0 other

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Matches Query Match

Local Similarity

Conservative

0 Pred. No. Mismatches

100.0%;

85.7%; Score 18; DB 24; Length 100;

63 0; Indels

0;

Gaps

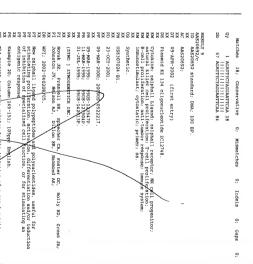
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AAS20691
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                                                                        control present invention relates to the industrial of a movel cytokina called light and the polymentotice ecology it. The invention called given the sequence for the subpatilization for moral months of the color of the called light of the polymentotic color color, polymentotic color c
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stamulating proliferation, activation, liffcentiation and/or induction
of inhibition of specialized cell function, or fdr stimulating an
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Cytokine; zalphall Ligand; zalphall receptor; NK cell progenito; natural killed cell proliferation; T-cell proliferation; B-cell proliferation; anti-tumour response immune system;
Sequence 100 BP; 25 A; 32 C; 17 G; 26 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (ZYMO ) ZYMOGENETICS INC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Example 20; Column 149-150; 105pp; English.
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Dillon SR,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sammond AK;
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PEXE ×

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Best Local Similarity 100.0%; Score 18; DB; Pred. No. 63; DB 24; Length 100;



or the present invention relates to the industrion of a movel cytoxine, catalogists in the semples for the stability in the polymerical declaration of the

Query Match Best Local Similarity Sequence 100 BP; 26 A; 17 C; 32 G; 25 T; 0 other; 85.7%; Score 18; DB 24; Length 100; 100.0%; Pred. No. 63; 100.0%;

Š 1 AGATTTCTAGGAATTCAA 18 18;

Matches

Conservative

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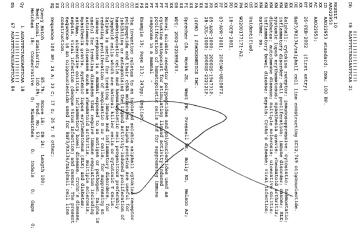
Mismatches

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Gaps ç



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AAD22954/c
                                                                                                                                                                   Novel soluble receptod polypeptides and polynoteotides used as 
cytokine antagonist for stimulating Negad activity-induced 
proliferation of hematopoietic cells and for suppressing immune
                                                                                                                                                                                                                                                                                                                               WPI: 2002-025898/03
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        05-APR-2000;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               03-APR-2001;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Unidentified.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           zalphali, cytokine receptor; immunosuppressive; cytostayic; haemostrositici infiammatory discorder; call proliferation; immunosuppressive; cytostayic; haemostrositici infiammatory discorder; call proliferation; immuno discorder in systemic systemic infiammatory discorder; wasthenia gravis; rheymatold arthritis; diabetes; autoimmune discorde; multiple gelarosis; updestrive colitis; diabetes; autoimmune discorde; multiple gelarosis; updestrive colitis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Baf3/KZ134/zalphall cell line constructing zCl2,748 oligopicleotide
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                                                                       Example 19: Page 213: 243pp/ English.
                                                                                                                                              response in a mammai
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (ZYMO ) ZYMOGENETICS ENC.
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isolated solubl
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zalphall cytokine receptor
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XFX g x g polypeptide and that lower solutions alpha worked as we meant for inhibiting or management with the land activity Mended politication of inhibiting or management with the realist experience of the proposed solution which may be management within collist experience, the realist in the politication will be really a solution and inhibiting politication of morphased in our neighbor doubt on the realist for treating diseases when the respirate frame respection for inhibiting processions are the realist frame respectively in the realist politication of the reali The invention relates to an

Sequence 100 BP; 26 A; 17 C; 33 G; 24 T; 0 other;

Matches Query Match TOCAT Similarity Conservative 85.7%; Score 18; DB 24; Length 100, 100.0%; Pred. No. 63; 9 Mismatches Indels

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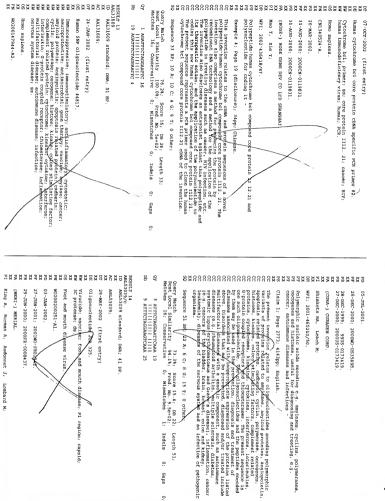
õ 1 AGATTTCTAGGAATTCAA 18

ABK88204/c RESULT 12

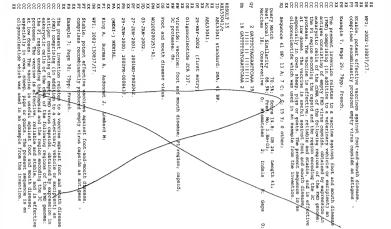
ABK88204 standard; DNA; 33 BP

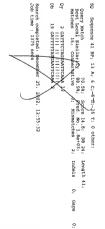
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RESULT 11



Gaps





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Database :
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Maximum Match 100%
Listing first 45 summaries
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Maximum DB seq length: 100
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Perfect score:
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41038
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Pred. No. is the number of results predicted by chance to have a

score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

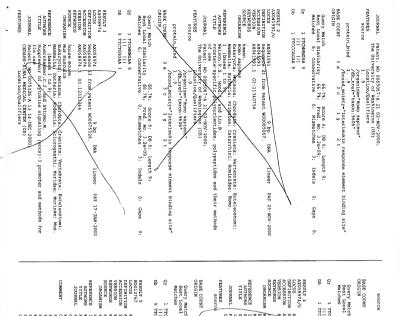
SUMMARIES

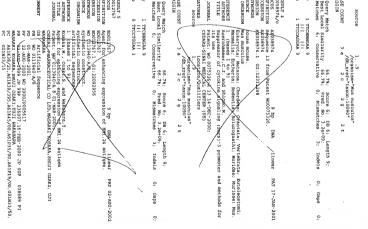
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Description

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linear i; Vertebrata; ni; Hominidae; ypeptides and	AR171051 AX06365	AR17105		15500	15583	I5583	13972	13972	13971	139714	AX47074	AX470574	AX470	AX063656	AX06365	AR17105 AX06365	AR17105	AR17105	A92561	A9256	AX301563	AX301	AR043	AR04368	AR043682	BD012767	BD01276	AX058	AX04199	LYUNG
PAT 23-KÖV-200 Buttelcostomi; Homo. their methods	1058 Sequence	~~	57 Sequence	Sequence	<i>> N</i>	1 Sequence	2 Sequence	2 Sequence 2	Seguence	4 Sequence 1	~ 4	7, 45-	3574 Sequence		ω.	1059 Sequence	1059 Sequence		51 Sequence 2	51 Segmence 2	1563 Sequence	1514 Sequence		3683 Sequence	Sequer	Agent	2767 Agent for		1991 Sequence	- : :





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PAT 29-SEP-1999

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synthetic construct
artificial sequences.
1 (bases 1 to 9)
                                                                                                                                 Sequence 52 from patent US 5814517
ARO43682
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PC A61K38/21 A61K39/395, A61K45/00, A61P35/00, A61P19/00, G01N33/50,
PC G01N3/15
PN Key Location/Qualifiers.
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DNA spacer regulatory elements responsive to cytokines and methods for their use
                            1 (bases 1 to 10)
Seidel, H. Martin. and Lamb, I. Peter
                                                                         UNKNOWN
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Best Local Similarity 66.7%; Pred. No. 2.3e+06;
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ARO43683
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Patent: US 5814517-A 52 29-SEP-1998;
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Seidel, H. Martin. a
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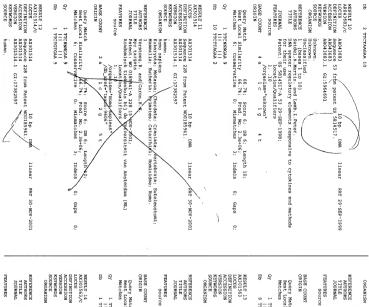
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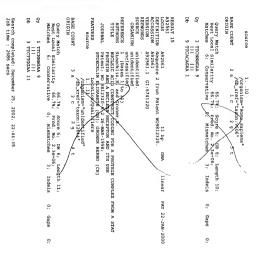
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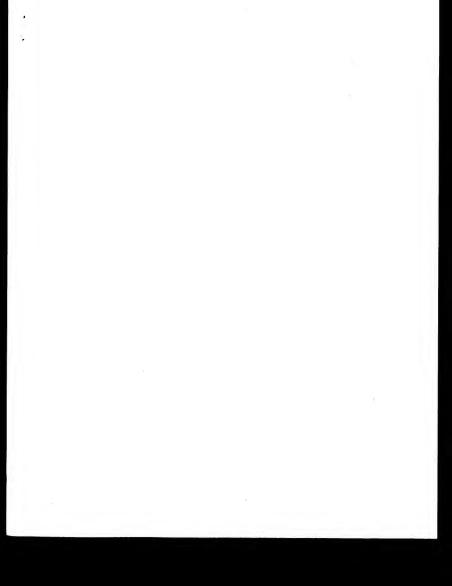
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Academisch Ziekenhuis bej de Univers
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Bukaryota; Metazoa; Chordata; CatarThigi; Hominidae; Homo.
Academisch Ziekenhuis bij de Universiteit van Amsterdam (NL)
                                                              Versteeg, R. and Caron, H.N.
                                                                                                                             Eukaryota; Metazoà; CMordata; Craniata; Vertebrata; Euteleostomi;
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Location/Qualifiers





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GenCore version 5.1.3
Copyright (c) 1993 - 2002 Compugen Ltd.
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OM nucleic - nucleic search, using sw model

December 25, 2002, 11:24:49; Search time 1892 Seconds (without allignments) 157.030 Million cell updates/sec

Run on:

Scoring table: Perfect score: Sequence Gapop 10.0 , Gapext 1.0 US-09-744-875-1 21 IDENTITY_NUC 1 agatttctaggaattcaaatc 21

Total number of hits satisfying chosen parameters: Searched: 2054640 seqs, 14551402878 residues

Minimum DB seg length: 0 Maximum DB seg length: 100

Post-processing: Minimum Match 0% Maximum Match 100% Listing first 45 summaries

Database GenEmb1:*

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score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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Ŀ	18	85.7	20	6		A89799 Sequence 2:
2	18	85.7	20	5	A90886	A90886 Sequence 21
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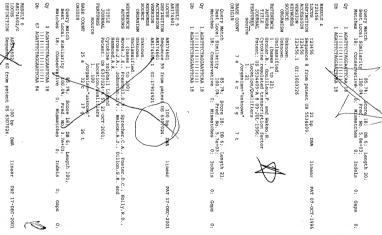
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ORIGIN
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                                                                                                           Bauer, S., Lipford, G. apd Wagner, H.

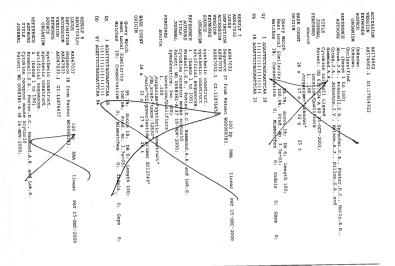
Process for high throdyntut screening of cpg-based

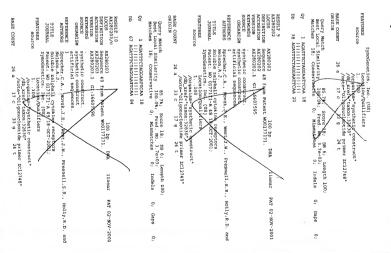
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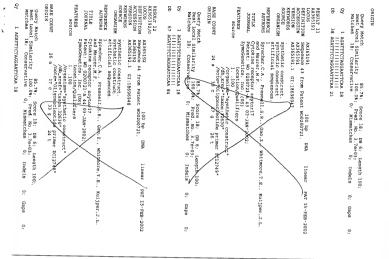
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HEEG KLAUS PROF DR (ME): LIPPORD GRAYSON B DR (DE)
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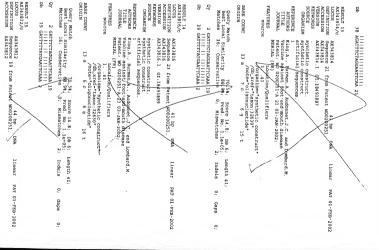
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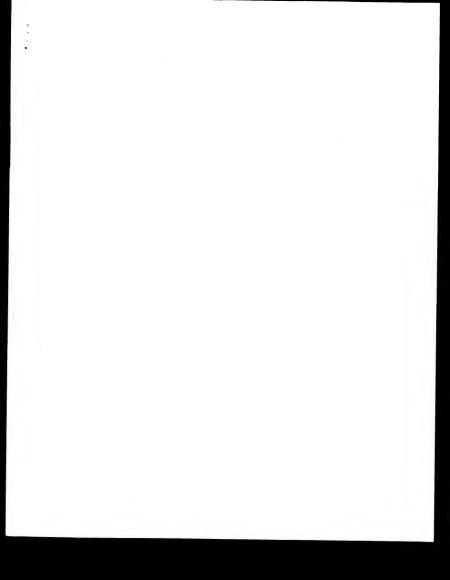












6 60.7 9 1 103-00 307-739-30 Sequence 5.6 66.7 9 1 103-00 307-739-50 Sequence 5.8 Sequence 5.8 66.7 9 1 103-00 410-7739-50 Sequence 5.8	66.7 9 1 US-08-369-96-31 Sequence 66.7 9 1 US-08-369-96-31 Sequence 66.7 9 1 US-08-369-96-34 Sequence 66.6.7 9 1 US-08-369-96-34 Sequence 66.6.7 9 1 US-08-369-96-34 Sequence 66.6.7 9 1 US-08-369-96-34 Sequence	132 6 66.7 9 1 US-08-398-799-26 Sequence 26. 66.7 9 1 US-08-398-799-27 Sequence 26. 66.7 9 1 US-08-398-799-27 Sequence 27. 66.7 9 1 US-08-398-799-27 Sequence 27. 108-08-398-799-27 Sequence 27. 108-08-398-799-27 Sequence 27.	9 6 66.7 9 1 US-08-411-020-13 Sequence 13. 10 6 66.7 9 1 US-08-411-020-13 Sequence 13. 10 6 66.7 9 1 US-08-39-796-25 Sequence 25. 11 6 66.7 9 1 US-08-39-796-25 Sequence 25.	5 6 66.7 9 1 US-08-411-020-11 Sequence 11. 6 6 66.7 9 1 US-08-411-020-11 Sequence 11. 7 6 66.7 9 1 US-08-411-020-12 Sequence 12. 9 6 66.7 9 1 US-08-411-020-12 Sequence 12.	6 66.7 9 1 US-08-411-020-1 Sequence 1, 6 66.7 9 1 US-08-411-020-1 Sequence 1, 6 66.7 9 1 US-08-411-020-10 Sequence 10, 6 66.7 9 1 US-08-411-020-10 Sequence 10,	Result Score March Length DB ID Description	red. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.	Database : 1	Post-processing: Minisum Match OA Maxisum Match OA Listing first 45 summaries	Minimum DB seq length: 0 Maximum DB seq length: 100	Total number of hits satisfying chosen parameters: 687286	Searched: 441362 segs, 153338381 residues	Scoring table: IDENTITY_NUC Gapop 10.0 , Gapext 1.0	Title: SCHMID7975 Parifect score: 9 ttcnnngaa 9 Sequence: 1 ttcnnngaa 9	Run on: December 25, 2002, 11:40:44; Search time 52 Seconds (vithout signments) 53:079 Million cell updates/sec	OM nucleic - nucleic search, using sw model	GenCore version 5.1.3 Copyright (c) 1993 - 2002 Compugen Ltd.
Ouery Match 66/74; Score 6: DB 1: Length 9: Best Local Similarity 100.0%; Perd No. 3.2407; Marches 9: Conservative 0: Mismatches 0: Indels Oy 1 TYCNNSGAA 9	TOPOGOGY: linear MOLECULE TYPE: Other nucleic acid DESCRIPTION: /desc - "OTHER NUCLEIC ACID, DESCRIPTION: SYNTHETIC DAM" US-08-411-020-1	SEQUENCE CHARACTERISTICS: LENGTH: 9 base pairs TYPE: nucleic acid STRANDENNESS: sinja	TELEPONMUNICATION INFORMATION: TELEPONE: (619) 535-7875 TELEPONE: (619) 535-3906 INFORMATION FOR ERGO IN DOG: 1:	ATTOMBOL/MAGENT INTURBATION INAME: JUTZGENSON, TOOMAS E. REGISTRATION NUMBER: 016-0030.US REFERENCE/DOCKET NUMBER: 016-0030.US	CURRENT APPLICATION DAYN: APPLICATION STUBBER: US-08/411,020 FILING DAYE: 27-MAR-1995 CLASSIPICATION: 037CM	WEDTUM TYPE: Eloppy disk WEDTUM TYPE: Eloppy disk COMMUTER: IM, PC compactible OPERATING SYSTEM: PC-DOS/NS-DOS SOFTWARE: PALECTIM Roleage #1.0, Version #1.30	CITY: San Diego CITY: San Diego STATE: CAITOTHA COUNTRY: LE COUNTR	APPLICANE LAMB LI PETER TEM TITLE OF INVENTION DAY ASSOCIATED REAGENTS FOR TITLE OF INVENTION: DEFECTIVE MODULATES OF CITOKINE ACT NAMES OF EXCHANGES AS ADDRESSEE: Light Pharmachilals Indopparted STREET: \$939 from Contre Dive	; Sequence 1, Application US/08411020 Patent No. 5712094 GENERAL INFORMATION: APPLICANT: SETIEM, H. MARTI	RESULT 1 US-08-411-020-1	ALIGNMENTS		43 6 66.7 9 2 45 6 66.7 9 2	39 6 66.7 9 1 US-08-410-7798-35 40 6 66.7 9 1 US-08-410-7798-55 41 6 66.7 9 1 US-08-410-7798-51 42 6 66.7 9 1 US-08-410-7798-51	66.7 9 1 US-US-US-US-US-US-US-US-US-US-US-US-US-U	6 66.7 9 1	28 6 66.7 9 1 US-08-410-7799-6 29 6 66.7 9 1 US-08-410-7799-3 30 6 66.7 9 1 US-08-410-7799-3 31 6 66.7 9 1 US-08-410-7799-36 32 6 66.7 9 1 US-08-410-7799-36

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"ACENT INCOMPATION R.
"ALTEGRACION MOMBER: 34.195
ENCREDOCET NUMBER: 34.195
ENCREDOCET NUMBER: 10.65
ENCREDOCET NUMBER: 10.65
ENCREDOCET NUMBER: 10.65
ENCREDOCET NUMBER: 10.70
ENCREDOCET NUMBER: 1
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DATE: 27-MAR-1995
"ICATION: 435
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R: IBM PC compatible
NG SYSTEM: PC-DOS/NS-DOS
E: PatentIn Release #1.0, Version #1.30
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Callfornia
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LAMB, I. PETER
VICTAM, SHITS-SHAY AND ASSOCIATED REAGINTS FOR
NEWSTION: DETECTING MODILATORS OF CITOSING ACTION
SEQUENCES: 59
DENCE ADDRESS: 59
DENCE ADDRESS: 59
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9393 Towne Centre Drive
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: Sequence 10, Application US/08411020 ; Patent No. 5712094
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Patent No. 5712094
                                                                                                                                                                                                                      GENERAL INFORMATION:
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INFORMATION FOR SEO ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 9 base pairs
TYPE: nucleic acid
                                                            APPLICAME: SEIDEL, H. MARTI
APPLICAME: SEIDEL, H. MARTI
APPLICAME: AND ASSOCIATED PRACEING FOR
TITLE ON INVESTMEN, SHIFTSHAM AND ASSOCIATED PRACEING FOR
TITLE OF INVESTMEN: DETECTION MODILATORS OF CITCALNE ACTION
MUMBER OF SUDURNIES: 50
CORRESPONDENCE, ADDRESS;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 MOLECULE TYPE: other nucleic acid
DESCRIPTION: /desc = "OTHER NUCLEIC ACID,
DESCRIPTION: SYNTHETIC DNA"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CORRESPONDENCE ADDRESS:
ADDRESSEE: Ligand Pharmaceuticals Incorporated
STREET: 9393 Towne Centre Drive
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APPLICANT: LAND, I, PETER
APPLICANT: CHAN, SHITY-SHAY TIAN
TITLE OF INVENTION: METHOD AND ASSOCIATED MEMCRAYS FOR
TITLE OF INVENTION: DETECTING MODULATORS OF CYTOKINE ACTION
MINERS OF SECURIANS: 50
    CITY: 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TELECOMMUNICATION INFORMATION:
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                     ADDRESSEE: Ligand Pharmaceuticals Incorporated STREET: 9393 Towne Centre Drive
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Local Similarity 100.0%; Prod. No. 3.2e+07;
hes 9; Conservative 0; Mismatches 0;
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TOPOLOGY: linear
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC COMPATIBLE
SOFTWARE: Patentin Release #1.0, Version #1.30
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STATE: California
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NAME: Jurgensen, Thomas E. REGISTRATION NUMBER: 34,195
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San Diego
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US-08-411-020-10/c
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Patent No. 5712094
GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ŽIP: 921zi
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: TEM PC compatible
COMPUTER: TEM PC-DOS/MS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         STREET: 5---
STREE
                                                                         NAME: Jurgensen, Thomas E.
REGISTRATION NUMBER: 34,195
REFERENCE/DOCKET NUMBER: 01:
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                         CURRENT APPLICATION DATA:
APPLICATION NUMBER: US,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       MPRICANT: ASIGE, M. MARTI
APPLICANT: ALB, T. PETER
APPLICANT: CHAN, SHAY-SHAY TANA
APPLICANT: CHAN, SHAY-SHAY
TITLE OF IMPERION: DEFECTION MODULATORS OF CYTOKINE ACTION
TUMBERS OF SECRETARISES. 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      STRANDENMESS: siggle
TOPOLOGY: Ilnear
TOPOLOGY: Ilnear
DESCRIPTION: JOHER MUCLEIC ACID,
DESCRIPTION: SYNTHETIC DAX*
                                                                                                                                                                                                                                                      ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CORRESPONDENCE ADDRESS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Jurgensen, Thomas E.
REGISTRATION NUMBER: 34,195
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SEQUENCE CHARACTERISTICS:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COMPUTER READABLE FORM
        TELEFAX:
                                         TELEPHONE:
                                                                                                                                                                                                                                                                                       CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADDRESSEE: Ligand Pharmaceuticals Incorporated STREET: 9393 Towne Centre Drive
                                                                                                                                                                                                                                                                                                                                        FILING DATE: 27-MAR-1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SOFTWARE:
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COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 TTCCCGGAA 9
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Local Similarity 66.7%; Pred. No. 3.2e+07;
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FILING DATE: 27-MAR-1995
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(619) 535-3906
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                                                                                                                                                                                                                                                                                                                                                                                                                                                           PatentIn Release #1.0, Version #1.30
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                                                                                                                           016-0030.US
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Sequence 11, Application US/08411020
Patent NO. 5712094
GENERAL INFORMATION:
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                                                                                        Matches
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SEQUENCE CHARACTERISTICS:
                                                                                                                                                                Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   REPRENCE/COCKET NUMBER: 016-0030.US
TELECOMMUTICATION INFORMATION:
TELECAM: (619) 339-3066
INFORMATION FOR END 10 MG; 11:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NEPICANI SHIDE, N. MART
APPLIANI LAM, FERBA TAM
APPLIANI LAM, FERBA TAM
APPLIANI LAM, SHIN'SHAN TAM
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APPLIANI LAM, SHIN'SHAN TAM
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DESCRIPTION: /desc = "OTHER NUCLEIC ACID,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ATTORNEY/AGENT INFORMATION:
NAME: JUTGENSEN, Thomas E.
REGISTRATION NUMBER: 34,195
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                 MOLECULE TYPE: other nucleic acid
DESCRIPTION: /desc = "OTHER NUCLEIC ACID.
DESCRIPTION: SYNTHETIC DNA"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SEQUENCE CHARACTERISTICS:
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STRANDEDNESS: single
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TYPE: nucleic acid
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICATION NUMBER: US/O
FILING DATE: 27-MAR-1995
CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COUNTRY
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STREET: 9393 Towne Centre Drive
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TYPE: nucleic acid
STRANDEDNESS: single
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                                                                                                                        Local Similarity
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1 TTCNNNGAA 9
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                                                                                                                                                                                                                                                                                                                                                                                                                  linear
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                                                                                                                        66.7%; Score 6; DB 1; I
66.7%; Pred. No. 3.2e+07;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US/08/411.020
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1 Treceegaa 9

APPLICANT: SEIDEL, H. MARTI APPLICANT: LAMB, I. PETER APPLICANT: CHAN, SHIN-SHAY TIAN

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TITLE OF INVENTION: METHODS AND ASSOCIATED REAGENTS FOR TITLE OF INVENTION: DETECTING MODULATORS OF CYTOKINE ACTION

CORRESPONDENCE ADDRESS:

59

ADDRESSEB: Ligand Pharmaceuticals Incorporated STREET: 9393 Towne Centre Drive

STATE: California

ZIP: 9212

US

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US-08-411-020-11/c
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Sequence 12, Application US/08411020
Patent No. 5712094
GENERAL INFORMATION:
                                                                                                                                                                                                                                                       US-08-411-020-11
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Patent No. 5712094
                                                                                                                                                                                  Matches
                                                                                                                                                                                                  Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                     TELEFAX: (619) 535-3906
INFORMATION FOR SEQ ID NO:
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                                                                                                                                                                                                                                                                                                                                                                                                                               REFERENCE/DOCKET NUMBER: 01
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 550-7675
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CORRESPONDENCE ADDRESS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: CHAN, SHIN-SHAY TIAN
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                                                                                                                                                                                                                                                                                                                                                   SEQUENCE CHARACTERISTICS:
LENGTH: 9 base pairs
TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                 TOPOLOGY: linear
MOLECULE TYPE: other nucleic acid
DESCRIPTION: /desc - "OTHER NUCLEIC ACID,
DESCRIPTION: SYNTHETIC DNA"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     STATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CITY: San Diego
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                                                                                                                                                                                                                                                                                                                                      STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NAME: Jurgensen, Thomas E
REGISTRATION NUMBER: 34,19
                                                                                                                   9 TTCGGGGAA 1
                                                                                                                                                 1 TTCNNNGAA 9
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                                                                                                                                                                                     Conservative
                                                                                                                                                                                                                                                                                                                                   single
                                                                                                                                                                                                  66.7%; Score 6; DB 1; I
66.7%; Pred. No. 3.2e+07;
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US-08-411-020-12/c
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Patent No. 5712094
GENERAL INFORMATION:
APPLICANT: SEIDEL, H. MARTI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NAME: JULIGERSEN, Thomas E.
RESISTENTION NUMBER: 34.195
REFERENCE/TOCKET NUMBER: 016-
TELECOMMUNICATION INFORMATION:
TELEPHONE: (613) 550-675
INFORMATION FOR SED 1D NO: 12:
SEQUENCE CHARACTERS STICS:
                 TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 550-7675
TELEPHX: (619) 535-3906
INFORMATION FOR SEQ ID NO: 12:
SEQUENCE CHARACTERISTICS:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
                                                                                                                                                 ATTORNEY/AGENT INFORMATION:
NAME: Jurgensen, Thomas E
REGISTRATION NUMBER: 34,1
                                                                                                                                                                                                                                   COMPUTER READMALE FORM:
MEDIUM TYPE: 150gpy disk
COMPUTER: IMW PC compatible
OPENATING SYSTEM: PC-005/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION MOMBER: US/06/411.020
FILING DATE: 27-MSR-1955
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TITLE OF INVENTION: METHODS AND ASSOCIATED REAGENTS FOR TITLE OF INVENTION: DEECTING MODULATORS OF CYTOKINE ACTION NUMBER OF SEQUENCES: 59
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: SEIDEL, H. MARTI
APPLICANT: LAMB, I. PETER
APPLICANT: CHAN, SHIN-SHAY TIAN
LENGTH:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            MOLECULE TYPE: other nucleic acid
DESCRIPTION: /desc = "OTHER NUCLEIC ACID,
DESCRIPTION: SYNTHETIC DNA"
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MEDIUM TYPE: Floppy
                                                                                                                            REFERENCE/DOCKET NUMBER: 016-0030.US
                                                                                                                                                                                                                      CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                        COUNTRY
                                                                                                                                                                                                                                                                                                                                                                                                                   ZIP: 92121
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 TTCTAAGAA 9
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 LENGTH:
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FILING DATE: 27-MAR-1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
                                                                                                                                                                                                                                                                                                                                                                                                                                                     San Diego
California
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9 base pairs
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                                                                                                                                             34,19
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                                                                      Matches
                                                                                       Query Match
Best Local :
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                                                                                                                                                                                                                                                                                               TELEPHONE: (619) 550-7675
TELEFAX: (619) 535-3906
INFORMATION FOR SEQ ID NO: 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
                                                                                                                                                      MOLECULE TYPE: other nucleic acid
DESCRIPTION: /desc = "OTHER NUCLEIC ACID,
DESCRIPTION: SYNTHETIC DNA"
                                                                                                                                                                                                                                          SEQUENCE CHARACTERISTICS:
LENGTH: 9 base pairs
TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                     NAME: Jurgensen, Thomas E.
                                                                                                                                                                                                                                                                                                                                                    TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SOPTWARE: PatentIn Release #1.0, Version #1.30 CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CORRESPONDENCE ADDRESS:
ADDRESSEE: Ligand Pharmaceuticals Incorporated
STREET: 9393 Towne Centre Drive
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TITLE OF INVENTION: METHODS AND ASSOCIATED REAGENTS FOR TITLE OF INVENTION. DEFECTING MODULATORS OF CYTOKINE ACTION NUMBER OF SEQUENCES: 59
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: SEIDEL, H. MARTI
APPLICANT: LAMB, I. PETER
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                               1 TTCNNNGAA 9
                                                                                                                                                                                                              TOPOLOGY:
1 TTCTCAGAA 9
                                                                                       Local Similarity
                                                                                                                                                                                                                                STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                               CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICATION NUMBER: US/08/411,020
FILING DATE: 27-MAR-1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                         KEFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                   REGISTRATION NUMBER: 34,195
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            STATE:
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tes 6; Conserv
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DESCRIPTION: /desc = "OTHER NUCLEIC ACID.
DESCRIPTION: SYNTHETIC DNA"
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STRANDEDNESS: sing
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                                                                      Conservative
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                                                               66.7%; Score 6; DB 1; Length 9; 66.7%; Pred. No. 3.2e+07; ative 0; Mismatches 3; Indel:
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Pred. No. 3,2e+07

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                                                           Gaps
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US-08-411-020-13
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Patent No. 5712094
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 25, Application Patent No. 5716622
GENERAL INFORMATION: James E. J
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Matches
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TELEPHONE: (619) 550-7675
TELEPAX: (619) 535-3906
INFORMATION FOR SEQ ID NO: 13:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GENERAL INFORMATION:
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ITILE OF IMPRITON: PONCTIONALLY ACTIVE RESIONS OF SIGNAL
ITILE OF IMPRITON: PONCTIONALLY ACTIVE RESIONS OF SIGNAL
ITILE OF IMPRITON: TRANSDUCER AND ACTIVATOR OF TRANSPAIPTION (STAT) PROTEINS
WHOMEN OF SAQUENCES: 39
COMMENDENCE AND AND ACTIVATOR OF TRANSPAIPTION (STAT) PROTEINS
COMMENDENCE AND AND ACTIVATOR OF TRANSPAIPTION (STAT) PROTEINS
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COMMENDENCE AND ACTIVE ACTIVE ACTIVE AND ACTIVE AND ACTIVE AND ACTIVE ACTIVE ACTIVE AND ACTIVE ACTI
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APPLICANT Zilong Wan
APPLICANT Curt N. Ho
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DESCRIPTION: /desc = "OTHER NUCLEIC ACID,
DESCRIPTION: SYNTHETIC DNA"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CURRENT APPLICATION DATA:
APPLICATION NUMBER: US,
FILING DATE: 27-MAR-19
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STREET: San Diego
CITY: San Diego
STATE: California
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APPLICANT: LAND, I. PETER
APPLICANT: CHAM, SHIT-SHAY TIAN
APPLICANT: CHAM, SHIT-SHAY TIAN
APPLICANT: CHAM, SHIT-SHAY TIAN
APPLICANT: CHAM, SHIT-SHAY TIAN
APPLICANT: CHAM, SHIT-SHAY
TITLE OF INVENTION: DEFECTING MODULATORS OF CYTOKING ACTION
BUBBES OF SOUDDENESS: 59
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ATTORNEY/AGENT INFORMATION:
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                                     COMPUTER READABLE FORM:
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                                                                     COUNTRY:
ZIP: 0760
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hes 6; Conserv.
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MEDIUM TYPE: Floppy disk
                                                                                                                                    STATE:
                                                                                                                                                                                             STREET:
                                                                                                                                                                                                                                   ADDRESSEE: Klauber & Jackson
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                                                                                                                                                              Hackensack
                                                                                                                                    New Jersey
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N: 435
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66.7%; Pred. No. 3.2e+07;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Darnell, Jr.
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      INFORMATION FOR SEQ ID NO: 25:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                                                                                                    TELECOMMUNICATION INFORMATION:
TELEPHONE: 201 487-5800
                                                                                                                                                                                                                                                                                                  CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                 CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NUMBER OF SEQUENCES: 30
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TITLE OF INVENTION: FUNCTIONALLY ACTIVE REGIONS OF SIGNAL TITLE OF INVENTION: TRANSDUCER AND ACTIVATOR OF TRANSCRIPTION (STAT) PROTEINS
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APPLICANT: Curt M. Ho:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                          COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
                                                                           TELEX: 133521
                                                                                                                                                                                                   REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                           APPLICATION NUMBER:
FILING DATE: 06-JAN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ZIP:
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                                                                                              TELEFAX:
                                                                                                                                                                                                                             NAME: Jackson Esq., David A.
REGISTRATION NUMBER: 26,742
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             STREET:
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                                                                                                     201 343-1684
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Klauber & Jackson

Horvath 39

06-JAN-1995

US/08/369,796

600-1-116

Floppy disk

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TRLEX: 13521
INFORMATION FOR SED ID NO:
SEQUENCE CHARACTERISTICS:
LINGTH: 9 base pairs
TYPE: nucleic seld
STRANDEDNESS: double
Sequence 25, Application US/08369796
Patent No. 5716622
                                                                                                                                                                                            Query Hatch 66.7%; Score 6; DB 1; 1
Best Local Similarity 66.7%; Pred. No. 3.2e+07;
Matches 6; Conservative 0; Mismatches
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TELEPHONE: 201 487-5800
TELEFAX: 201 343-1684
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                                                                                                                                                                                                                                                                                                                                                MOLECULE TYPE:
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OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTMARE: Patentin Release #1.0, Version #1.25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NAME: Jackson Esq., David A.
REGISTRATION NUMBER: 26,742
REFERENCE/DOCKET NUMBER: 600-1-116
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CLASSIFICATION: 43
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICATION NUMBER:
FILING DATE: 06-JA
                                                                                                                        1 TECCCGGAA 9
                                                                                                                                                                1 TTCHNNGAA 9
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                                                                                                                                                                                                                                                Length 9;
                                                                                                                                                                                                        3; Indels
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                                                                                                                                                                       Best
                                                                                                                                      Matches
                                                                                                                                                                                                  Query Match
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: James E. DATROLL JT.
APPLICANT: LICHE WORK MAN
APPLICANT: COLTE W. BUTCHAN
APPLICANT: OUT W. BUTCHAN
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APPLICANT: OUT W. BUTCHAN
APPLICANT

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                                                                                                                                                                                                                                                                                                                                        TOPOLOGY: linear
MOLECULE TYPE: DNA
HYPOTHETICAL: NO
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REFERENCE/DOCKET NUMBER: 600
TELECOMMUNICATION INFORMATION:
TELEPHONE: 201 487-5800
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ATTORNEY/AGENT INFORMATION:
NAME: Jackson Esq., David A.
REGISTRATION NUMBER: 26,742
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CORRESPONDENCE ADDRESS:
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                                                                                                                                                                Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TELEX:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                    STRANDEDNESS:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICATION NUMBER: US/08/369,796
FILING DATE: 06-JAN-1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SOFTWARE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              STREET:
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1 TTCCGGGAA 9
                                                                   1 TTCNNNGAA 9
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADDRESSEE:
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                                                                                                                                      Conservative
                                                                                                                                                                                                                                                                                                             NO
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IBM PC compatible
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Klauber & Jackson
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                                                                                                                                                                                                                                                                                                                                                                          DNA synthetic probe
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                                                                                                                                                                                                                                                                                                                                                                                                                                                    double
                                                                                                                                                                66.7%; Score 6; DB 1;
66.7%; Pred. No. 3.2e+07
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   66.7%; Score 6; DB 1; Length 9, 66.7%; Pred. No. 3.2e+07;
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                                                                                                                                      0; Mismatches
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                                                                                                                               3; Indels
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; Patent No. 5716622
; GENERAL INFORMATION:
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; Sequence 27, A
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                                                                                                                                                                                                                                                                              RESULT 15
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Patent No. 5716622
                                                                                                                                                                                                                                                                                                                                                                                                                                   Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
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INFORMATION FOR SEQ ID NO:
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                                      APPLICANT: Zhong Zhong
TITLE OF INVENTION: PERCITONALLY ACTIVE REGIONS OF SIGNAL
TITLE OF INVENTION: TRANSDUCER AND ACTIVATOR OF TRANSCRIPTION (STAT) PROTEINS
NUMBER OF SEQUENCES: 9
CORRESPONDERED: ADDRESS:
                                                                                                                  APPLICANT: James E. Darnell, Jr
APPLICANT: Zilong Wen
APPLICANT: Curt M. Horvath
APPLICANT: Zhong Zhong
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COMPUTER: IMM PC COMPAILINE
OPERATING WSTERN: PC-DOS/M2-DOS
SOFTWARE: PSTERN: PC-DOS/M2-DOS
CUMRENT APPLICATION DAYA:
APPLICATION NUMBER: US/08/769,796
FILARO AMPEL: OS-JAK-1950
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               HYPOTHETICAL:
ANTI-SENSE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NAME: Jackson Esq., David A.
REGISTRATION NUMBER: 26,742
REFERRACE/DOCKET NUMBER: 600
TELECOMMUNICATION INFORMATION:
TELEPHONE: 201 487-5800
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TITLE OF INVENTION: TUNCTIONALIA ACTIVE REGIONS OF SIGNAL TITLE OF INVENTION: TRANSDUCER AND ACTIVATOR OF TRANSCRIPTION (STAT) PROTEINS NUMBER OF SEQUENCES: 39 CORRESPONDINGE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: James E. Darnell, Jr.
APPLICANT: Zilong Wen
APPLICANT: Curt M. Horvath
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SEQUENCE CHARACTERISTICS
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                   ADDRESSEE:
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CITY: Hackensack
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5716622
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E: Klauber & Jackson
411 Hackensäck Avenue
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411 Hackensack Avenue
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                                                                                                                                                                                                                                                                                                                                                                                                                                   66.7%; Score 6; DB 1; Length 9; 66.7%; Pred. No. 3.2e+07;
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CITY: Hackensack STREET

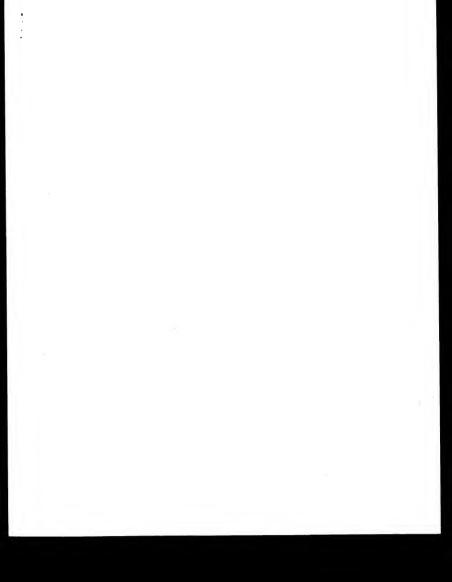
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CONTENT PROMISE FORM:

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Post-processing: Minimum Match 0%
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Listing first 45 summaries
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Maximum DB seq length: 100
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                                                                                                                                                                                                                                                                                                                                                                                                                                 Pred. No. is the number of results predicted by chance to have a score greater than or egual to the score of the result being printed, and is derived by analysis of the total score distribution.
                                                                                                                                                                                                                                                                                                                                                                      Score
                                                                                                                                                                                                                                                                                                                                                                         Match Length
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21
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       1 agatttctaggaattcaaatc 21
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Copyright (c) 1993 - 2002 Compugen Ltd.
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/cgn2_6/ptodata/1/ina/5B_CONB.seq:*
/cgn2_6/ptodata/1/ina/6A_CONB.seq:*
/cgn2_6/ptodata/1/ina/6A_CONB.seq:*
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  US-09-030-613-30

US-09-451-905-30

US-09-313-221A-77

US-08-840-316-5

US-08-840-316-5

US-08-711-971-5

US-08-710-971-5

PCT-US93-08849-5
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Sequence 30, Appl
Sequence 30, Appl
Sequence 77, Appl
Sequence 5, Appli
                                                                                                                  Patent No.
                                                                                                                                                                                                                        Sequence 35,
Sequence 12,
Sequence 24,
Sequence 54,
                                                                                                                                                                                                                                                                          Sequence 45,
Sequence 22,
Sequence 42,
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Sequence 60,
                                                                                                                                                                                                                                                                                                                                                                   Description
                                                                                                                  Sequence 1, Appl.
Patent No. 522173
                                                                                                                                                      Sequence 4,
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Sequence 28, Appl.
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Query Match 8 Best Local Similarity 1	RESULT 1 RESULT 1 RESULT 2 SQUARED A APPLICATION AS JOSEG SQUARED A APPLICATION AS JOSEG PARKET NO SOLVEN AS JOSEG PARKET NO SOLVEN AS JOSEG RESULT AS JOSEG RESUL	
85.7%; Score 18; DB 1; Length 100.0%; Pred. No. 7.8;	ALIGNMENTS ALIGNM	3 13 18 19 19 18 19 19 19 19 19 19 19 19 19 19 19 19 19
21;	Pactor	Sequence 30, Appl Sequence 30, Appl Sequence 6, Appl Sequence 6, Appl Sequence 6, Appl Sequence 6, Appl Sequence 122, Appl Sequence 122, Appl Sequence 122, Appl Sequence 124, Appl Sequence 124, Appl Sequence 125, Appl

0; Gaps

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US-09-522-217-60/c
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  GENERAL INFORMATION:
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SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 59
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Patent No. 6307024
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 60, Application US/09522217
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CURRENT APPLICATION NUMBER: US/09/522,217
CURRENT FILING DATE: 2000-03-09
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APPLICANT: Bilson, Andrew J.
APPLICANT: Billon, Stacey R.
APPLICANT: Hammond, Angela K.
APPLICANT: Hammond, Angela K.
EARLIER FILING DATE: 1999-03-09
EARLIER APPLICATION NUMBER: US 60/123,904
                                                                                             CURRENT APPLICATION NUMBER: US/09/522,217
CURRENT FILING DATE: 2000-03-09
                                                                                                                                                                                                                          APPLICANT: Hammond,
                                                                                                                                                                                                                                                   APPLICANT: Nelson, Andrew J. APPLICANT: Dillon, Stacey R.
                                                                                                                                                                                                                                                                                                                       APPLICANT: Johnston, Janet V
                                                                                                                                                                                                                                                                                                                                                             APPLICANT: Gross, Jane A.
                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Sprecher, Cindy A. APPLICANT: Foster, Donald C. APPLICANT: Holly, Richard D.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Presnell,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: No. 6307024ak, Julia E.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 EARLIER FILING DATE: 1999-03-11
EARLIER APPLICATION NUMBER: US 60/142,013
EARLIER FILING DATE: 1999-07-01
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                                                              EARLIER APPLICATION NUMBER: US 60/123,547
                                                                                                                                                                  FILE REFERENCE: 99-16
                                                                                                                                                                                           TITLE OF INVENTION: NOVEL CYTOKINE ZALPHALL LIGAND
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              OTHER INFORMATION: Oligonucleotide ZC12749
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                                                                                                                                                                                                                          Angela K
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Scott R
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        85.7%; Score 18; DB 4; Length 100; 100.0%; Pred. No. 8.6;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0; Gaps
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                                                                    SEQ ID NO 22
LENGTH: 58
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 22, Application US/09173043
Patent No. 6207442
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Patent No. 6197930
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                                                                                                                                                                                                                                CURRENT APPLICATION NUMBER: US/09/173,043
CURRENT FILING DATE: 1998-10-15
EARLIER APPLICATION NUMBER: US 60/062,061
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TITLE OF INVENTION: RECOMBINATION
TITLE OF INVENTION: RECOMBINATION
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APPLICANT: Humes, Jacqueline M.
TITLE OF INVENTION: ADIPOCYTE-SPECIFIC PROTEIN HOMOLOGS
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EARLIER APPLICATION NUMBER: US 60/142,013
EARLIER FILING DATE: 1999-07-01
NUMBER OF SEQ ID NOS: 115
                                                                                                                                  SOFTWARE: FastSEQ for Windows Version 3.0
                                                                                                                                                                  NUMBER OF SEQ ID NOS:
                                                                                                                                                                                                       EARLIER FILING DATE: 1997-10-16
                                                                                                                                                                                                                                                                                                                                    FILE REFERENCE: 97-27
      ORGANISM: Artificial Sequence
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Pred. No. 8.6;
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                                                                                                                                                                                                                                                                                                     SEQ ID NO 35
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Patent No. 6420117
GENERAL INFORMATION:
                                                                       Matches
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Patent No. 6303770
                                                                                                             Query Match
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APPLICANT: CHES. ALCHOMOTER MINISTER REPORT TRANSPOSABLE ELEMENTS AND
TITLE OF ENVERTION: METHODS OF USE
TITLE OF ENVERTION: METHODS OF USE
COMMENT PARTICANTION HARDER: US/OF/051.407A
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HORSES OF SEA IN 0.56 IO ...
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APPICANT: Contain Darrell C.
APPICANT: Continue Tribb, Dulid E.
TITLE OP INVENTION: beamains Alpha Helical Protein-1
FILE REPRENCE: 97.71
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CURRENT FILING DATE: 1998-12-10
NUMBER OF SEQ ID NOS: 56
SOPTWARE: PastSEQ for Windows Version 3.0
                                                                                                                                                                       OTHER INFORMATION: Description of Artificial Sequence:
OTHER INFORMATION: Oligonucleotide primer
                                                                                                                                                                                                                                      ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                               TYPE: DNA
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                                                                                                                                                                                                                                                                                    ENGTH: 20
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                                                                                        Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   9.5%; Score 14.6; DB 4; Length 58; Local Similarity 81.0%; Pred. No. 2.8e+02; Local Similarity 81.0%; Pred. No. 2.8e+02; Indels hes 17; Conservative 0; Mismatches 4; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                14 AGAATACTAGGAATTCTACTC 34
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    y Match 69.5%; Score 14.6; DB 4; Length 58; Local Similarity 81.0%; Pred. No. 2.8e+02;
                             3 ATTICTAGGAATTCAAATC 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 AGATTTCTAGGAATTCAMATC 21
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                                                                   16;
                                                                                                                                                                                                                                                                                                                              Patentin Ver. 2.1
                                                                       Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Conservative
        Ξ
                                                              67.6%; Score 14.2; DB 4; Length 20;
84.2%; Pred: No. 4e+02;
ative 0; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0; Mismatches
                                                              3; Indels 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               4; Indels 0; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   4; Indels 0; Gaps
                                                                   c
                                                                                                                                                                                                                                                                                                                              Patent No. 5801015
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-08-201-697-12
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Patent No. 5705623
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 12, Application US/08201697
                                                                                                                                                                                                                                                                                                                          GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TELEFAX: (619) 535-8949
INFORMATION FOR SEQ ID NO: .
COMPUTER READABLE FORM
MEDIUM TYPE: Floppy
                                                                                                                                                                   CORRESPONDENCE ADDRESS
                                                                                                                                                                                                                                                       APPLICANT: Damagnez, Veronique
APPLICANT: Draetta, Guillo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         REFERENCE/DOCKET NUMBER: P-UM 9783
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: 1BM PC Compatible
ODERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Wiggins, Roger C.
APPLICANT: Thomas, Peedikayil E.
TITLE OF INVENTION: Mammalian Glomerular Epithelial Protein
TITLE OF INVENTION: 1
                                                                                                                                                                                                             TITLE OF INVENTION: Human Pathogens, and Uses Related Thereto
                                                                                                                                                                                                                                      TITLE OF INVENTION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NAME: Campbell, Cathryb A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CORRESPONDENCE ADDRESS:
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                                                              COUNTRY:
                                                                                                    CITY: Boston
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     17 AGTCCTAGGAATTCAAA 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE:
                                              ZIP: 02109
                                                                                   STATE:
                                                                                                                             STREET
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              3 ATTICTAGGAATTCAAA 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ', Match 65.7%; Score 13.8; DB 1; Length 30;
Local Similarity 88.2%; Pred. No. 6.3e+02;
has 15; Conservative 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICATION NUMBER: US/08/201,697
FILING DATE: 25-FEB-1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             19 ATTTCGAGGAATTGGAATC 1
                                                                                                                                                  ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    LENGTH:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         STATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CITY: San Diego
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   STREET:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         California
                                                                                                                     B: Foley, Hoag & Eliot,
One Post Office Square
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              E: Campbell and Flores
4370 La Jolla Village Drive, Suite 700
                                                              USA
                                                                                                                                                                                                                                                                                                     Cottarel, Guillaume
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        USA
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Floppy disk
                                                                                                                                                  Hoag & Eliot, LLF
                                                                                                                                                                                                                                  Guillo
Cell-Cycle Regulatory Proteins from
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Gaps

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US-08-332-420-54/c
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 54, Appli
Patent No. 5744300
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TELECOMMUNICATION INDOMMITION:
TELEPHONE: (617) 832-7000
INFORMATION FOR SEQ ID NO: 24:
                                                        TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 54:
                                                                                                                                                                                                            FILING DATE: April 29, 1994
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SEQUENCE CHARACTERISTICS:
LENGTH: 30 base pairs
TYPE: nucleic acid
                                                                                            TELECOMMUNICATION INFORMATION
TELEPHONE: (213) 489-1600
TELEPAX: (213) 955-0440
                                                                                                                                                                                                                                                                                                                                                                        CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                    COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5° Diskette, 1.44 Mb storage
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TITLE OF INVENTION: IDENTIFICATION AND REGULATION TITLE OF INVENTION: OF SENESCENCE-RELATED GENES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TITLE OF INVENTION:
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                                        SEQUENCE CHARACTERISTICS:
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                                                                                                                                                REFERENCE/DOCKET NUMBER: 21
                                                                                                                                                                                                                                                                                                        CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                        OPERATING SYSTEM: IBM P.C. DOS (Version 5.0)
SOFTWARE: WordPerfect (Version 5.1)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         20 ATTACTATGAATTCAAA 4
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Local Similarity 88.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CLASSIFICATION:
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                    LENGTH:
                                                                                                                                                                                NAME: Warburg, Richard J
REGISTRATION NUMBER: 32,
                                                                                                                                                                                                                                                                                                                            FILING DATE:
                                                                                                                                                                                                                                                                                                                                                    APPLICATION NUMBER: US/08/332,420
                                                                                                                                                                                                                                                                                                                                                                                                                                    COMPUTER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CITY: Los Angeles
STATE: California
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICATION NUMBER: US/08/463,090B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  3 ATTTCTAGGAATTCAAA 19
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 90017
nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Application US/08332420
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NVENTION: METHODS AND REAGENTS FOR THE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 USA
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                                                                                                                                                                                                                                                                                                                                                                                                                                IBM Compatible
                                                                                                                                                                                                                                                                                                                                October 31, 1994
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0; Mismatches
                                                                                                                                                                210/041
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 13.8; DB 1; Length 30;
Pred. No. 6.3e+02;
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; Sequence 28, Application US/09143634
; Patent No. 6214602
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; MOLECULE TYPE: DNA (genomic)
US-07-941-363-1
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                                    ; GENERAL INFORMATION:
                                                                                           US-09-143-634-28/c
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                                                                                                                                                                                                                                              Matches
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APPLICANT: Zdanovsky, Alexey G.
TITLE OF INVENTION: EXPRESSION OF CLOSTRIDIAL TOXINS AND PROTEINS
                                                                                                                                                                                                                                                                 Best Local Similarity
                                                                                                                                                                                                                                                                               Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                        TELEFAX: (314)694-9009
INFORMATION FOR SEQ ID NO:
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APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                           SEQUENCE CHARACTERISTICS:
LENGTH: 37 base pairs
TYPE: NUCLEIC ACID
STRANDEDNESS: single
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
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ADDRESSEE: Dennis A. Bennett. Monsanto Co., A35G
STREET: 800 N. Lindbergh Blvd.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      MPDICANT: Luckow, Worne A.
APPICANT: Luckoh Mark S.
APPICANT: Olins, Peter O.
TITLE OF INVENTION: Behad of Producing Recombinant
TITLE OF INVENTION: Enkaryotic Viruses in Bacteria
ADMERS OF SOUDWINESS: 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            REFERENCE/DOCKET NUMBER: 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ATTORNEY/AGENT INFORMATION
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CURRENT APPLICATION DATA:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TELEPHONE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NAME: Bennett, Dennis A.
REGISTRATION NUMBER: 34,547
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ZIP: 63167
                                                                                                                                                                     1 AGATCTGCAGGAATTCACAT 20
                                                                                                                                                                                                      1 AGATTTCTAGGAATTCAAAT 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICATION NUMBER:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CITY: St.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Louis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (314)694-5402
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                                                                                                                                                                                                                                                             64.8%; Score 13.6; DB 1; Length 37; 80.0%; Pred. No. 7.8e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       64.8%; Score 13.6; DB 1;
80.0%; Pred. No. 7.8e+02;
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                                                                                                                                                                                                                                              0; Mismatches
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                                         US-08-308-196A-4
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; Patent No. 5612198
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      Query Match
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SEQ ID NO 28
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CURRENT FILING DATE: 1998-08-28
NUMBER OF SEQ ID NOS: 28
                                                                                                                                         TELEFAX: (619)238-0062
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             FILE REFERENCE: PRMG-03193
                                                                                                                                                                                                                                      APPLICATION NUMBER: US 07/5:
PILING DATE: 04-SEP-1990
ATTORNEY/ACRET INFORMATION:
NAME: Seidman, Stephanie L.
REGISTRATION NUMBER: 33,779
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              OTHER INFORMATION: Description of Artificial Sequence:
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                                                   MOLECULE TYPE: DNA (genomic DNA)
                                                                                                                                                                                            TELEPHONE: (619)238-0999
                                                                                                                                                                                                                                                                                                                                  APPLICATION NUMBER: US 07/983,523
FILING DATE: 03-MAR-1993
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                      APPLICATION NUMBER:
FILING DATE: 09-SEPT
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                         COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
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MEDIUM TYPE: Floppy disk
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ADDRESSEE: Brown, Martin, Haller & McClain
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TITLE OF INVENTION: Production of Insulin-Like Growth
TITLE OF INVENTION: Pactor-1 in Methylotrophic Yeast Cells
NUMBER OF SEQUENCES: 17
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                                                                        TOPOLOGY:
                                                                                     STRANDEDNESS:
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                                                                                                                           LENGTH:
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                                                                                         Single
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64.8%; Score 13.6; DB 1; Length 40
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Pred. No. 7.8e+02;
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GENERAL INFORMATION:
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          APPLICATION NUMBER: 1
                                                                                                                                                                                      COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: Brierley, Russell A.
APPLICANT: Davis, Geneva R.
APPLICANT: Holtz, Gregory C.
APPLICANT: Glesson, Martin A.
APPLICANT: Bradley, D. H.
APPLICANT: Bradley, D. H.
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                                                   CLASSIFICATION:
                                                                    FILING DATE:
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FILING DATE:
                                                                                                                                                                                                                                             STATE:
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04-SEP-1990
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FILE REFERENCE: SIZ"-I Application
CHRESHY APPLICATION UNMERS: US/09/289,803
CURRSHY FILING DATE: 1999-04-12
NUMBER OF SEQ II NOS: 10
SOFTWARE: Patentin Ver. 2.0
EROTH O S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TITLE OF INVENTION: Amplification and Detection of Shiga-Like Toxin I
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               OTHER INFORMATION: Description of Artificial Sequence:Primer for SDA OTHER INFORMATION: of SLT-I Producing organisms
                 COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC TOMS/MS-DOS
SOFTMARE: PALENTIN Release #1.0, Version #1.25
CURRENT APPLICATION NUMBER: PCT/US91/06452
                                                                                                                                                                                                                                                                                                                                             TITLE OF INVENTION: Production of Insulin-Like Growth
TITLE OF INVENTION: Factor-1 in Methylotrophic Yeast Cells
                                                                                                                                                                                                                                                                                 ADDRESSEE: Fitch, Even, Tabin & Flannery
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               McMillian, Ray A.
Hellyer, Tobin
                                                                                                                                                                                                                                                       135 South LaSalle Street, Suite 900
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Pred. No. 7.9e+02;
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US 07/578,728

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ANDEL SEALING, SERPHANIA L.

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THE PROBLEMENT SEALING, SERVICE SEALING, SEALING
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Regulatory element	AAV56847	19	9		o	39
Regulatory element	AAV56874	19	9		6	38
Regulatory element	AAV56874	19	9	66.7	o	37
Regulatory element	AAV56872	19	9	66.7	σ.	36
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Regulatory element	AAV56867	19	9		6	31
Regulatory element	AAV56864	19	9	66.7	6	30
Regulatory element	AAV56864		9		6	29
Regulatory element	AAV56876		9		6	28
Regulatory element	AAV56876		9		6	27
	AAV56892	19	ø	66.7	6	26
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	AAT41583	17	ø		6	24
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(Lamb IF, Seidel Hw)	(DIGAT) DIGAND P		14-APR-1994;	27-MAR-1995; 95US-0410780.	10-APR-1095; 95WO-US04477.	26-OCT-1995.	WO9528482-A2.	Synthetic.	gene transcription: i	signalling molecule;	Regulatory element: transcriptional regulatory protein;	Cytokine responsive DNA spacer regulatory element.	30-MAY-1996 (first entry)	MATTHIZO	RESULT 1 AAT14120 ID AAT14120 standard; DNA; 9 BP.

3 X R

WPI; 1995-373797/48.

DNA spacer regulatory elements responsive to cytokine(s) - for

detecting the presence of transcriptional regulatory protein in a

So

Sequence 9 BP; 2 A; 1 C; 1 G; 2 T; 3 other;

inflammation, anaemia, cytopenia and (pre)cancerous conditions.

Query Match

Local

Conservative

66.7%; Score 6; 100.0%; Pred. No.

2.4e+0E

Length 9

0; Mismatches DB 16;

Indels

0,

Gaps

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9 TTCNNNGAA 1 1 TTCNNNGAA 9 Similarity

Regulatory element; transcriptional regulatory protein; signalling molecule; DNA spacet; agonist; antagonist; an gene transcription; inflammation; cytopenia; cancer; ss.

anaemia

26-CCT-1995

29-MAY-1996 (first entry)

Cytokine responsive DNA spacer regulatory element

AAT14165;

AAT14165 standard; DNA; 9 BP.

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The present oligonaciectide comprises a regulatory element inide an estivated transcriptional regulatory protein in response to a service difference in the service of the 
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  DNA spacer regulatory elements responsive to cytokine(s) for detecting the presence of transcriptional regulatory protein in a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Lamb IP,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     14-APR-1994;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           27-MAR-1995;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              10-APR-1995;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Regulatory element; transcriptional regulatory protein; signalling molecula; DMA spacer; agonist; antagonist; anaemia; gene transcription; inflammation; cytopenia; cancer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Cytokine responsive DNA spacer requiatory element.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           26-OCT-1995
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAT14120_standard; DNA; 9 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Disclosure; Page 18; 135pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 9 BP; 2 A; 1 C; 1 G; 2 T; 3 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 TTCNNNGAA 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 TTCHNNGAA 9
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940S-0228935
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100.0%; Pred. No. 2.4e+
tive 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              . 2.4e+08;
ches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 9;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Indels
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밁 RESULT 4

Matches Query Match Best Local Similarity

Conservative

66.7%; Score 6; DB 16; 66.7%; Fred. No. 2.4e+0

0; Mismatches

Indels

0;

Gaps

9

2.4e+08;

Length 9;

Sequence 9 BP; 4 A; 1 C; 1 G; 3 T; 0 other;

ameliorate disease states caused by cytokine deficiency, e.g. inflammation, anaemia, cytopenia and (pre)cancerous conditions

The present oligonuclectide comprises a regulatory element TI(NDAA, where x is 4-7, and the regulatory protein in response to a signalling moi., 1. e. a cycloine This cyclothe response to a spear regulatory element can be used to detect the presence of a transcriptional regulatory protein in a same, and in assignation for (ant)spondate of gene transcription. The identified cycle.

Claim 7; Page 125; 135pp; English.

DNA spacer regulatory elements responsive to cytokine(s) - for detecting the presence of transcriptional regulatory protein in a

WPI; 1995-373797/48 (LIGA-) LIGAND PHARM INC 14-APR-1994; 27-MAR-1995; 10-APR-1995; W09528482-A2 Synthetic

Seidel HM;

9509-0410780 940s-0228935 95W0-USQ4477

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                                                                                                                                                                                                                                                                                                                                                                         Query Match
                                                                                                                                                                                                                                                                                                                                          Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                         TripkinAM, where x is 4-7, and the regulatory galement binds an activated transcriptional regulatory protein in response to a signalling mol., i.e. a cyrobine risk cyrobine responsive DNA spacer regulatory element com be used to describ the presence of a transcriptional regulatory protein in a sample, and in assays for (ant)aponists of gene transcription. The identified open by the complete of the cyrobine induced disease strees, or to many be used to treat cyrobine induced disease strees, or to
                                                                     Cytokine responsive DNA spacer regulatory element
                                                                                                        29-MAY-1996 (first
                                                                                                                                              AAT14149;
                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 9 BP; 4 A; 1 C; 1 G; 3 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           The present oligonucleotide comprises a regulatory element
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Claim 7; Page 125; 135pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           DNA spacer regulatory elements responsive to cytokine(s) - for detecting the presence of transcriptional regulatory protein in a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WPI; 1995-373797/48
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (LIGA-) LIGAND PHARM INC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  gene transcription; in lammation; cytopenia; cancer; ss
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Regulatory element; tradscriptional regulatory protein; signalling molecule; DNA spacer; agonist; antagonist; anaemia;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAT14165;
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                                                                                                                                                                                                                                                                                                                                                                                                                                           inflammation, anaemia, cytopenia and (pre)cancerous conditions
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          14 - APR - 1994.
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                                                                                                                                                                             AT14149 Standar
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             egulatory element; transcriptional regulatory protein;
ne transcription;
                                                                                                                                                                                                                                                                                                                                                       Local Similarity
                                                                                                                                                                                                                                                                    9 TTCTTAGAA 1
                                                                                                                                                                                                                                                                                                   1 TTCNNNGAA 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Seidel HM;
                                                                                                                                                                                                                                                                                                                                          Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          9408-0228935
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                                                                                                                                                                             DNA, 9 BP.
                                                                                                                                                                                                                                                                                                                                                       66.7%;
/Inflammation; cytopenia; cancer; ss
                                                                                                        mery)
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                                                                                                                                                                                                                                                                                                                                      0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                         Score 6; DB 16;
                                                                                                                                                                                                                                                                                                                                                       Pred. No.
                                                                                                                                                                                                                                                                                                                                                       2.4e+08
                                                                                                                                                                                                                                                                                                                                      3,
                                                                                                                                                                                                                                                                                                                                                                         Length 9;
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                                                                                                                                                                                                                                                                                                                                      0;
                                                                                                                                                                                                                                                                                                                                   Gaps
                                                                                                                                                                                                                                                                                                                                      0,
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B Ş

> 9 Gaps

> 0;

AAT14149/C RESULT 6

9 BP

AAT14149;

Cytokine responsive or 29-MAY-1996 (first e AAR14149 Standard

spacer regulatory element

Lamb IP,

Seidel HM

(LIGA-) LIGAND PHARM INC 14-APR-1994; 27-MAR-1995; 10-APR-1995

9408-0228935 9508-0410780 95W0-US04477 W09528482-A2

-OCT-1995

Synthetic

Regulatory element; transcriptional regulatory protein; signalling molecule; plm, spacer; agonist; antagonist; anacemia; gene transcription; inflammation; cytopenia; cancer; ss.

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Matches
                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           The present oligonucleotide comprises a regulatory element 
T(MS)AA, where x is 4-7, and the regulatory possent binds and 
activated transcriptional regulatory protein in response to a 
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signalized many of the compression of the compression of 
signalized many of the compression of the compression
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 9 BP; 3 A; 2 C; 1 G; 3 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  inflammation, anaemia, cytopenia and (pre)cancerous conditions
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   sample
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (LIGA-) LIGAND PHARM INC
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                                                                                                                                                                                                                                                                                                                                                                      Local Similarity
1 TTCTCAGAA 9
                                                                                                                                                       1 TECHNICAA 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Seidel HM;
                                                                                                                                                                                                                                                                                    Conservative
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                                                                                                                                                                                                                                                                                                                                                         66.7%; Score 6; DB 16; Length 9; 66.7%; Pred. No. 2.4e+08;
                                                                                                                                                                                                                                                                                    0; Mismatches
                                                                                                                                                                                                                                                                                    3; Indels
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The present oligonacionatide comprises a regulatory element 
TI(XXXA), where X is 4-7, and the regulatory element binds an 
activated transcriptional regulatory protein in response to a 
signalling min. I. L. a. syckine. This cytchiae responsive DNA 
spacer regulatory element can be used to detect the presence of 
a transcriptional regulatory protein in a semple, and in assays
                                                                                                                                          Claim 7; Page 125; 135pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Cytokine responsive DNA spacer regulatory element
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAT14145
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              The present oligonucleotide comprises a regulatory element Tricky AM. where at a 4-7; and the regulatory present binds an activated transcriptional regulatory protein in response to a signalizing math. (a m cytokine milit o'gobien temporate was assignalizing math. (a m cytokine milit o'gobien temporate was assignalizing math.) (a m cytokine milit o'gobien temporate was a transcription fregulatory protein in a sample. and in assignation of control regulatory protein in a sample. The cytokine minimized disease states, or to ample used to treat cytokine-induced disease states, or to ample used to treat cytokine-induced disease states, or to ample used takesses states caused by cytokine dicticancy, or to
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Claim 7; Page 125; 135pp; English
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                                                                                                                                                                                                   detecting the presence of transcriptional regulatory protein in a
                                                                                                                                                                                                                      DNA spacer regulatory elements responsive to cytokine(s) - for
                                                                                                                                                                                                                                                                 WPI; 1995-373797/48
                                                                                                                                                                                                                                                                                                   Lamb IP,
                                                                                                                                                                                                                                                                                                                                                                                14-APR-1994;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   gene transcription; inflammation; cytopenia; cancer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Regulatory element; transcriptional regulatory protein; signalling molecule; DNA spacer; agonist; antagonist; anaemia;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAT14145 standard, BNA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 9 BP: 3 A: 2 C: 1 G: 3 T: 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        detecting the presence of transcriptional regulatory protein in a
                                                                                                                                                                                                                                                                                                                                          (LIGA LIGAND PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           inflammation, anaemia, cytopenia and (pre)cancerous conditions
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Local Similarity
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                                                                                                                                                                                                                                                                                                   Seidel HM;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Conservative
                                                                                                                                                                                                                                                                                                                                                                                9405-0228935
                                                                                                                                                                                                                                                                                                                                                                                                       9505-041,0780
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               66.7%;
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Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               2.4e+08.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      DB 16;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Indels
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inflammation, anaemia, cytopenia and (pre)cancerous conditions
                                                       ameliorate disease states caused by cytokine deficiency, e.g.
                                                                                                               for (ant)agonists of gene transcription. The identified cpds may be used to treat cytokine-induced disease states, or to
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Sequence 9 BP; 3 A; 3 C; 1 G; 2 T; 0 other;

8888

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Query Match
                          Local Similarity
I TTCNNNGAA 9
                 Conservative
                        66.7%;
                 0
                                   Score 6; DB 16;
                          Pred. No.
                 Mismatches
                        2.46+08;
                                   Length 9;
                 Indels
                 0
                Gaps
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I TTCCCAGAA 9

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AAT14145/c
29-MAY-1996 (first entry)
                                       AAT14145;
                                                                       AAT14145 Standard; DNA;
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Cytokine responsive DNA spacer regulatory element

******* Synthetic gene transcription; inflammation, cytopenia, cancer; ss Regulatory element; transcriptional regulatory protein; signalling molecule; DNA specer; agonist; antagonist; anaemia;

***** XSX 27-MAR-1995; 10-APR-1995; 26-OCT-1995 W09528482-A2 9508-0410780 95WO-US@4477

(LIGA-) LIGAND PHARM INC 14-APR-1994; Seidel HM; 9408-0228935

DNA spacer regulatory elements responsive to cytokine(s) - for detecting the presence of transcriptional regulatory protein in a

WPI; 1995-373797/48.

Claim 7; Page 125; 135pp; English

rif(N))A, where x is 4.7, and the regulatory element binds an activated transcriptional regulatory protein in response to a signaling main. i.e. a cytokine. This cytokine responsive DNA spacer regulatory element can be used to detect the presence of a transcriptional regulatory protein in a sample, and in assays for (ant)seponiate of gene transcription. The identified cyber for (ant)seponiates of gene transcription. The identified cyber and be used to trans. Cytokine induced disease states. or to ame, bracke disease states caused by Cytokine distinctory, or inflammation, anaemia, cytopenia and (pre)cancerous conditions The present oligonucleotide comprises a regulatory element

Sequence 9 BP; 3 A; 3 C; 1 G; 2 T; 0 other;

8 Query Match Local 1 TTCNNNGAA 9 Similarity Conservative 66.7%; 66.7%; 0 Score 6; Pred. No. Mismatches DB 16; 2.4e+08; 3; Indels Length 9; 0; Gaps

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TTCTGGGAA 1

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                                                                                                                                                                                                                RESULT 10
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                                                                                                                                                                                                                                                                                                                                                                                     Query Match
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TIPANAM, where x is 4-7, and the regulatory protein in response to a 
signalling mon.; a. c. a cytokine fils cytokine response to a 
signalling mon.; a. c. a cytokine fils cytokine response to a 
spacer regulatory element con the used to detect the presence of 
a transcriptional regulatory pretent in a sample, and in assur-
for (ant)aponists of gene transcription. The identified cpds: 
may be used; to treat cytokine induced disease states, or to
Regulatory element; £ranscriptional regulatory protein; 
Aggnalling molecule; DNA spacer; agonist; antagonist; anaemia;
                                                       Cytokine responsive
                                                                                             29-MAY-1996 (first
                                                                                                                                      AAT14147;
                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 9 BP; 2 A; 1 C; 1 G; 5 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Claim 7; Page 125; 135pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 DNA spacer regulatory elements responsive to cytokine(s) - for detecting the presence of transcriptional regulatory protein in a
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Regulatory element; transcriptional regulatory protein; signalling modecule; DNA spacer; agonist; antagonist; anaemia; gene transcription; inflammation; cytopenia; cancer; ss.
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                                                                                                                                                                           ATT 141-980
                                                                                                                                                                                                                                                                                                                                                                                                                                                           initammation, anaemia, cytopenia and (pre)cancerous conditions
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ameliorate disease states caused by cytokine deficiency, e.g.
                                                                                                                                                                                                                                                                                                                                                                  Local Similarity
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                                                                                                                                                                                                                                                                                                                                               conservative
                                                                                                                                                                           dard; DNA; 9 BP
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                                                                                             (entry)
                                                       NA spacer regulatory element
                                                                                                                                                                                                                                                                                                                                               0;
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(LIGA-) LIGAND PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                      Synthetic.
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T(MS)AA, where x is 4-7, and the regulatory lement binds and 
sciuwied transcriptional regulatory protein in response to a 
signaling mor., 1-6 a cytother. Plus cytother response to the 
signaling mor., 1-6 a cytother. Plus cytother response to the 
signaling mor., 1-6 a cytother. Plus cytother response to the 
signaling mor., 1-6 a cytother with cytother composition. The 
distribution of the cytother cytother induced disease stores, or to 
map the used to treat cytokine induced disease stores, or to 
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                                                                           14-APK-1994;
                                                                                                                27 -MAR - 1995
                                                                                                                                                                                            10-ARR-1995;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Regulatory element;
signalling molecule;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 gene transcription;
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DNA spacer; agonist; antagonist; anaemia;
Anflammation; cytopenia; cancer; ss.
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66.7%; Pred. No. 2.4e+0;
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The present oligonucleotide comprises a regulatory element TTY(Nx)AA, where x is 4-7, and the regulatory element binds an activated transcriptional regulatory protein in response to a
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                                                                                                                       Claim 7; Page 125; 135pp; English
                                                                                                                                                                                                             detecting the presence of transcriptional regulatory protein in a
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                                                                                                                           spacer regulatory element can be used to detect the presence of a transcriptional regulatory protein in a sample, and in assays for (ant)agonists of gene transcription. The identified cods. may be used to treat cytokine induced disease states, or to
                                                                                                                                                                                                                                                             The present oligonucleotide comprises a regulatory element 
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activated transcriptional regulatory protein in response to a 
signalling mol., i.e. a cytokine. This cytokine responsive DNA
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detecting the presence of transcriptional regulatory protein in a
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Sequence 9 BP; 2 A; 2 C; 2 G; 3 T; 0 other;
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                                                                inflammation, anaemia, cytopenia and (pre)cancerous conditions
                                                                                                 ameliorate disease states caused by cytokine deficiency, e.g.
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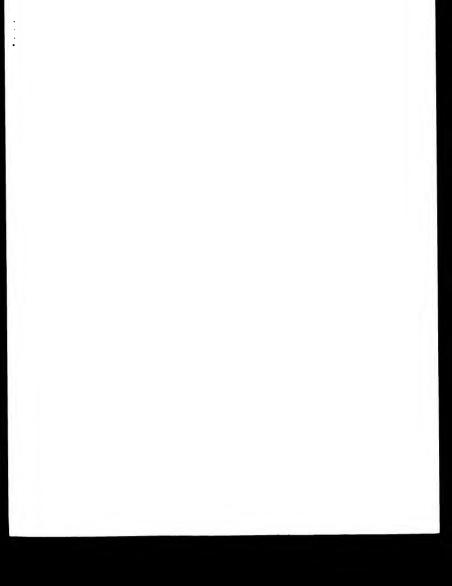
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Cytokine responsive DNA spacer regulatory element.
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signalling molecule; DNA spacer; adonist; antagonist; anaemia;
gene transcription; inflammation; dytopenia; cancer; ss.
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                                                                                                                                                                                                                                                                                                                                                                                                                             1 TTCNNNGAA 9
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Conservative
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66.7%; Pred. No. 2.4e+08;
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Job time : 263 secs

Search completed: December 25, 2002, 18:15:59

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Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 9 BP; 2 A; 4 C; 1 G; 2 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            inflammation, anaemia, cytopenia and (pre)cancerous conditions
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Claim 4: Page_124; 135pp; English
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signalling molecule; DNA spacer; agonist; antagonist; anaemia;
gene transcription inflammation; cytopenia; cancer; 88.
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1 TTCCCCGAA 9
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66.7%;
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US-09-923-246-59

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ALIGNMENTS	18 (19 - 19 - 19 - 19 - 19 - 19 - 19 - 19
	Sequence 35. Appl. Sequence 36.

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; OTHER INFORMATION: Oligonucleotide 2C12749 US-09-923-246-59
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; Patent No. US20020128446A1
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APPLICANT: Sprecher, Cindy A.
APPLICANT: Foster, Donald C.
APPLICANT: Holly, Richard D.
APPLICANT: Holly, Richard D.
APPLICANT: Gross, Jane A.
APPLICANT: Johnston, Janet V.
                                                                                                                                                       SEQ ID NO 59
LENGTH: 100
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APPLICANT:
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PRICE PLINE LARGE: SANLIER FILMS DATE: 300-07-09
PRICE REPLICATION WINESE: DANLIER SILMS DATE: 300-07-09
PRICE REPLICATION WINESE: DANLIER MINISTED AND WINESE: 05 6/123,904
PRICE REPLICATION WINESE: DANLIER MINISTED AND WINESE: 05 6/124,013
PRICE APPLICATION WINESE: DANLIER MINISTED AND DATE: 1999-07-01
MUNESE OF SED ID NOS: 113
SOFTMARE: PRICES OF WINESE: MINISTED AND DATE: 1999-07-01
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: No. US20020128446Alak, Julia E. APPLICANT: Presnell, Scott R.
                                                                                                                               TYPE: DNA
                                                                  FEATURE:
                                                                                           ORGANISM: Artificial Sequence
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Dillon, Stacey R.
Hammond, Angela K.
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19 12.4 59.0

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Sequence 25, Appl

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67 AGATTTCTAGGAATTCAA 84

1 AGATTTCTAGGAATTCAA 18

Best Loc Matches

y Match 85.7%; Score 18; DB 10; Length 100; Local Similarity 100.0%; Pred. No. 15; hes 18; Conservative 0; Mismatches 0; Indels

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Query Match

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US-09-825-561A-48
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US-09-923-246-60
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TITLE RETERENCE: 39 HOMBER: MOYED 223.40
CURRENT FILMWI DATE: JOSO-08-03 /923.41
RECOM APPLICATION WORRES: EMBLERS APPLICATION NUMBER: US/09/922.217
RECOM FILMWE DATE: JOSO-08-03 /920-03-03 US 60/123.904
RECOM FILMWE DATE: SHALLER FILMED DATE: 1990-03-1108: US 60/123.904
RECOM FILMWE DATE: SHALLER FILMED DATE: 1990-07-031
RECOM APPLICATION WORRES: MARLER ALPHICATION HYDRER: US 60/124.013
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Patent No. US20020137677A1
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Patent No. US20020128446A1
                                                                                                                                                                                                                                       PRIOR FILING DATE: 2000-04-05
PRIOR RIPLINGATION WIMBER: US 60/222,121
PRIOR FILING DATE: 2000-07-28
NUMBER OF SEQ ID NOS: 807
SOFTWARE: FREUSED for Windows Version 3.0
                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANE; HOLLY, RICHARD D.
APPLICANE; HOLLY, RICHARD D.
APPLICANE; WHISTON, ANDERS J. ANAPALI CYTOKINE RECEPTORS
FILE REFERENCE; 100: 20 JUNEAU FANAPALI CYTOKINE RECEPTORS
CURRENT REPLICATION NUMERIC 100: 20 JUNEAU FA
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APPLICANT: No. US20020137677Alak, Julia E.
APPLICANT: West, James W.
APPLICANT: Presnell, Scott R.
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OTHER INFORMATION: Oligonucleotide primer 2C12749
                                         FEATURE:
                                                                          ORGANISM: Artificial Sequence
                                                                                                                            TYPE: DNA
                                                                                                                                                             LENGTH: 100
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Holly, Richard D.
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US-09-932-679-42
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                                                                                     ; SEQ ID NO 42
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                                                                                                                                                                                                                                                                                                                                                                                                                 sequence 42, Application US/09932679
Patent No. US20020058801A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SEQ ID NO 49
LENGTH: 100
                                                                                                                                                                                                                                                                                                                                                                                            GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Patent No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 49, Application US/09825561A
Patent No. US20020137677A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PRIOR FILING DATE: 2000-04-05
PRIOR APPLICATION NUMER: US 60/222,121
PRIOR FILING DATE: 2000-07-28
NUMBER OF SEQ ID NOS: 86
SOFTMARE: FRESED for Windows Version 3.0
                                                                                                      NUMBER OF SEQ ID NOS: 56
SOFTWARE: FastSEQ for Windows Version 4.0
                                                                                                                                                     PRIOR FILING DATE: 1997-12-10
                                                                                                                                                                      PRIOR APPLICATION NUMBER: 60/067,779
                                                                                                                                                                                            PRIOR FILING DATE: 1998-12-10
                                                                                                                                                                                                                 PRIOR APPLICATION NUMBER: 09/209,525
                                                                                                                                                                                                                                           CURRENT FILING DATE:
                                                                                                                                                                                                                                                            CURRENT APPLICATION NUMBER: US/09/932,679
                                                                                                                                                                                                                                                                                     FILE REFERENCE: 97-71D1
                                                                                                                                                                                                                                                                                                      APPLICANT: No. US20020058801Alak, Julia E. TITLE OF INVENTION: Mammalian Alpha Helical Protein-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PRIOR APPLICATION NUMBER: US 60/194,731
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CURRENT APPLICATION NUMBER: US/09/825,561A
CURRENT FILING DATE: 2000-04-05
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FILE REFERENCE: 00-22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: HOLLY, RICHARD D.
APPLICANT: Nelson, Andrew J.
TITLE OF INVENTION: SOLUBLE ZALPHAII CYTOKINE RECEPTORS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Sprecher, Cindy A. APPLICANT: No. US20020137677Alak, Julia E.
                     ORGANISM: Homo sapiens
                                          TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              OTHER INFORMATION: Oligonucleotide primer ZC12748
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ORGANISM: Artificial Sequence
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                                                                LENGTH:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  38 AGATTTCTAGGAATTCAA 21
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                                                                58
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Presnell, Scott R.
                                                                                                                                                                                                                                                                                                                                                 Conklin, Darrell C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Conservative
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tive 0;
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tive 0; Mismatches
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100.0%; Pred. No. 15;
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Pred. No. 15;
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Query Match

Length 58;

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US-09-881-012-130
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US-09-969-373-1158
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-09-969-373-1158/c
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Publication No. US20020192655A1
GENERAL INFORMATION:
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NUMBER OF SEQ ID NOS: 4593
SEQ ID NO 1158
LENGTH: 99
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 1158, Application US/09969373
Patent No. US20020133852A1
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                                                                                                                                    SEQ ID NO 130
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: Ginns, Edward I.
APPLICANT: Egeland, Janice A.
APPLICANT: Paul, Steven M.
APPLICANT: The Governmeent of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CURRENT APPLICATION NUMBER: US/09/969,373
CURRENT FILING DATE: 2001-10-02
PRIOR APPLICATION NUMBER: US 09/754,853
PRIOR FILING DATE: 2001-01-05
                                                                                                                                                                                                    PRIOR APPLICATION NUMBER: US/09/175,158
PRIOR FILING DATE: 1998-10-19
PRIOR APPLICATION NUMBER: US 60/062,924
PRIOR FILING DATE: 1997-10-20
                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: The Government of the United States of America APPLICANT: as represented by The Secretary of the TITLE OF INVESTICAL: Susceptibility and Resistance Genes for TITLE OF INVESTICAL: Bipolar Affective Disorder
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PRIOR APPLICATION NUMBER: US 09/760,427
PRIOR FILING DATE: 2001-01-13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: Hauge, Brian M.
TITLE OF INVENTION: Soybean SSRs and Methods of Genotyping
FILE REFERENCE: 38-10(226'9)A
                                                                                                                                                           NUMBER OF SEQ ID NOS: 240
SOFTWARE: FastSEQ for Windows Version 3.0
                                                                                                                                                                                                                                                                                                CURRENT APPLICATION NUMBER: US/09/881,012
CURRENT FILING DATE: 2001-06-13
                                                                                                                                                                                                                                                                                                                                                  TITLE OF INVENTION: Bipolar Affective Disorder FILE REFERENCE: 015280-248110US
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                      OTHER INFORMATION: D4S1564 reverse primer
                                                                                           TYPE: DNA
                                             FEATURE:
                                                           ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: DNA
                                                                                                                  LENGTH:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           14 AGAATACTAGGAATTCTACTC 34
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            60 ATTTATATGAATTGAAATC 42
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 AGATTTCTAGGAATTCAAATC 21
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81.0%; Pred. No. 5.1e+02;
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Pred. No. 8.1e+02;
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; Patent No. US20020107869Al
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Patent No. US20020107869A1
GENERAL INFORMATION:
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US-09-927-933A-14/c
                                                                                                                                                                                        US-09-927-933A-15
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                                                                                                Matches
                                                                                                                                                                                                                                                                                SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 15
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                                                                                                                                          Query Match
                                                                                                                                                                                                                                                                                                                    FILE REPRENEY: 03751-037

CHESCHY PREJUCATION WHORES: 19,9427,933A

CHESCHY PREJUCATION WHORES: 19,9427,933A

CHESCHY PREJUCATION WHORES: 19,9427,933A

PRIOR PELLING DATE: 20,010-05-13

PRIOR PELLING DATE: 20,010-05-13

PRIOR PELLING DATE: 20,011-05-13

PRIOR PELLING DATE: 20,011-05-13
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PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 08/809,110
PRIOR FILING DATE: EARLIER FILING DATE: 1999-12-06
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TITLE DE INVENTION: MOVEL IMPLANT AND NOVEL VECTOR FOR THE TREATMENT OF TITLE DE INVENTION: ACQUIRED DISEASES FILE REFERENCE: 032751-012
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TITLE OF INVENTION: NOVEL IMPLANT AND NOVEL VECTOR FOR THE TREATMENT OF TITLE OF INVENTION: ACQUIRED DISEASES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: LEROY, Pierre
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SOFTWARE: PatentIn Ver.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: ER 94 10911 PRIOR FILING DATE: EARLIER FILING DATE: 1994-09-13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CURRENT APPLICATION NUMBER: US/09/927,933A
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                                                                                                                                                                                                                                 TYPE: DNA
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                                                                                                                                                                                                               ORGANISM: cDNA of heavy chain of antibody 2F5
                                                                                                                                                                                                                                                             LENGTH:
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                                                                                                                   Local Similarity
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6 AGCTTTCCAGGAGCCCAAATC 26
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                                              1 AGATTTCTAGGAATTCAAATC 21
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76.2%;
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                                                                                            0; Mismatches
                                                                                                                                     Score 13;
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Pred. No. 2.6e+03;
                                                                                                                   Pred. No. 2.6e+03
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No. Mismatches 0; Indels
                                                                                                                                     DB 10: Length 30;
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Query Match

61.9%; Score 13; DB 9; Length 22

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TILE REFERENCE, MOGATISMO
CHERRY APPLICATION NUMBER: US/07/63/659
ERIOR NEPLICATION NUMBER: US/07/63/659
ERIOR NEPLICATION NUMBER: US/07/63/659
ERIOR APPLICATION NUMBER: US/07/64/61
ERIOR APPLICATION NUMBER: US/07/64/61
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US-09-832-659-30
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NUMBER OF SEQ ID NOS: 44
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 30
                                                                                                                                                                   GENERAL INFORMATION:
                                                                                                                                                                                               Patent No. US20020055138A1
                                                                                                                                                                                                                                                                                                                                                                                                                                        Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 30, Application US/09832659
Patent No. US20020155547A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Matches 16; Conservative
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Patent No. US20020155547A1
                                                                                                                                                                                                                      Sequence 11,
APPLICANT: Thresher, Jason
APPLICANT: Roble, C. Etchard
APPLICANT: Robly, Jodith
TITLE OF INVENTION: GTP-SHOUNG PROTEIN
TITLE OF INVENTION: GTP-SHOUNG PROTEIN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CUBRENT APPLICATION NUMBER: US/09/832,659
CUBRENT FILING DATE: 2001-04-11
PATOR APPLICATION NUMBER: 60/120,237
PATOR FILING DATE: 1999-02-16
PATOR APPLICATION NUMBER: 60/104,491
PATOR APPLICATION NUMBER: 60/104,491
PATOR FILING DATE: 1998-10-16
                                                                                                                                                APPLICANT: Chien,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: BIOGEN, INC.
TITLE OF INVENTION: INC.
FILE REFERENCE: A064PCTSE0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: BIOGEN, INC.
TITLE OF INVENTION: Interferon-Beta Fusion Proteins and Uses
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           LENGTH: 50
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                                                                                                                                                                                                                                                                                                                                           26 AGTITGCTAGGATTTCAGCTC 6
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                                                                                                                                                                                                                                                                                                                                                                                                                                        15; Conservative
                                                                                                                                                                                                                 Application US/09792420
                                                                                                                                                Yueh-tyng
                                                                                                                                                                                                                                                                                                                                                                                                                                   61.9%; Score 13; DB 9; Length 50; 76.2%; Pred. No. 2.7e+03; tive 0; Mismatches 5; Indels
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76.2%; Pred. No. 2.7e+03;

 Mismatches

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                                         CURRENT APPLICATION NUMBER: US/09/078,574
CURRENT FILING DATE: 2001-12-21
PRIOR APPLICATION NUMBER: 09/33,535
PRIOR FILING DATE: 1999-06-14
NUMBER OP SEQ ID NOS: 15775
SEQ ID NO 3000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SEQ ID NO 2
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                                                                                                                                                                                                                                                                                                         GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                         Patent No. US20020110548A1
                                                                                                                                                                                                                                                                                                                                              Sequence 3000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Matches
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Patent No. US20020091094A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Matches
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                                                                                                                                                                       TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with TITLE OF INVENTION: Plants FILE REFURENCE: 38-21(1501)B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CURRENT FILING DATE: 2001-05-23
PRIOR APPLICATION NUMBER: 60/206,281
PRIOR FILING DATE: 2000-05-23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       FILE REFERENCE: 102182-12
CURRENT APPLICATION NUMBER: US/09/863,179
CURRENT FILING DATE: 2001-05-23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: DURING, MATTHEW KAPLITT, MICHAEL
TITLE OF INVENTION: GLUTAMIC ACID DECARBOXYLASE (GAD) BASED DELIVERY SYSTEM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CURRENT APPLICATION NUMBER: US/09/792,420
CURRENT FILING DATE: 2001-02-23
PRIOR APPLICATION NUMBER: US 60/184,742
PRIOR FILING DATE: 2000-02-24
                                                                                                                                                                                                                                          APPLICANT:
                                                                                                                                                                                                                                                               APPLICANT:
                                                                                                                                                                                                                                                                                APPLICANT: Byrum, Joseph R
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SOFTWARE: PatentIn version 3.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NUMBER OF SEC ID NOS: 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SOFTWARE: Patentin version 3.0
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ORGANISM: Staphylococcus aureus
TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ORGANISM: Homo sapiens
                         LENGTH: 98
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: DNA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Match 61.0%; Score 12.8; DB 10. Local Similarity 87.5%; Pred. No. 3.2e+03;
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                                                                                                                                                                                                                                      La Rosa, Thomas J.
Thompson, Michael D.
                                                                                                                                                                                                                                                                                                                                              Application US/09878574
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Conservative
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87.5%; Pred. No. 3.2e+03;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 33;
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US-09-878-574-3000

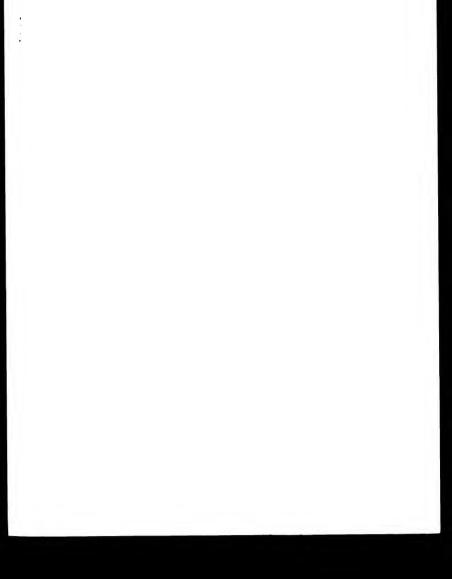
OTHER INFORMATION: Clone ID: LIB3028-017-Q1-B1-D5

ORGANISM: Glycine max

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APPLICAMT SITES 'IMOCHY A.

APPLICAMT COMMAN, DAVID A.

APPLICAMT COMMAN, DAVID SITES APPLICAMT COMMAN, DAVID SITES APPLICAMT COMMAN SITES APPLICAMT COMMAN SITES APPLICATION WHOMEN CO MOCHANICATION WHOMEN CO SITES APPLICATION COMMAND SITES APPLICATION AND SITES APPLICATIO
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US-09-843-905A-10/c
Sequence 10, Application US/09843905A
Patent No. US20020168683A1
CENERAL INFORMATION:
Search completed: December 25, 2002, 11:40:36 Job time: 243 secs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ; OTHER INFORMATION: oligonucleotide primer US-09-843-905a-10
                                                                                                                                                                                                                                                                                                                                                                                                                                                     Ouery Match 60.0%; score 12.6; DB 9; Length 37; Best Local Similarity 78.9%; pred, No. 4e+03; Matches 15; Conservative 0; Mismatches 4; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match 61.0
Best Local Similarity 87.9
Matches 14; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
                                                                                                                                                                                                                                      24 GATAAGTAGGAATTCATAT 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           64 TTATAGGAATTCAATT 49
                                                                                                                                                                                                                                                                                                                                                         2 GATTTCTAGGAATTCAAAT 20
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0 55*32	Result No.				Databas	Post-p	Minimum Maximum	Searched Total nu	Scoring	Title: Perfect s Sequence:	Run on:	OM nucleic	
145	Score	Pred. No score gra and is d			 	Post-processing	DB seq	Searched: Total number of)g table:	t score:	:		
788927	Query Match L	the r the ed by	19 en 20 en 21 en 22 en 23 en 24 en 25 en 26 en		EST:* 1: en 2: en 3: en 4: en 6: en 7: en 8: en	g: Minimum Maximum Listing	length: length:	1615	IDENTITY_NUC Gapop 10.0 ,	US-09-7 21 1 agatt	December	nucleic se	Copyright
82 73 97 1 48	Length DB	he number of than or equal by analysis	em_gss_inv: em_gss_pin: em_gss_pri: em_gss_fun: em_gss_mam: em_gss_mus: em_gss_mus: em_gss_pro: em_gss_pro:	gb_estl:* gb_est2:* gb_htc:* gb_est3:* gb_est4:* gb_est5:* em_estfun:* em_estfun:* em_gss:*	em_estba:* em_esthum:* em_estin:* em_estmu:* em_estpu:* em_estpo:* em_estro:*	Match Match first	100	seqs, isfying		-09-744-875-1 agatttctaggaattcaaatc	r 25, 2002,	search, using	20
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	8	ed by chance f the result ore distribut						357874			; Search time 2979 (without alignments) 114.168 Million cell		en Ltd.
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13.2	13.2	13.2	ω	13.2	13.2	ω		ω	ω						13.2	13.4	13.4		13.6					13.6				13.8		13.8	ω	ω.	13.8	13.8	13.8	14.2	14.2
62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	63.8	63.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	67.6	67.6
97	96	94	93	92	92	90	89	79	78	78	78	76	72	61	52	100	88	96	96	94	92	86	71	63	50	48	92	91	88	82	76	69	69	99	47	83	60
13	17	10					10			17	7		٠	7	0		14	17	13	17	14	9	12	12	12	17	17	17	2	ij	2	17	17	9	13	9	12
B1942693	BH251012	AW518820	AA877878	BE575638	AU259036	BH218396	AW712808	AI916764	BH854812	BH854811	A2774680	AU011284	BQ754476	BH218412	AW697073	AA420566	N73593	CNS000HH		BH218165	D75616	AA863156	BG668331	BF463652	BF789276	BH615007	BH758017	AF087391	BG151856	BG151684	BG153467	AZ956832	AZ810918	AA422541	J0771	662	BG153679
BI942693 sk57a02.y	BH251012 SALK_0108	AW518820 ha43f03.x	AA877878 nr07b08.s	BE575638 dc60q08.x	AU259036 AU259036	вн218396 1006078F0	AW712808 q3fllne.r		BH854812 SALK_0884	BH854811 SALK_0884	2M000	AU011284 AU011284	EBed(10060	NF112AC	AA420566 nc61b02.r	N73593 za51c01.sl		BM181183 fw20c09.y	1006077	EK107b2		BG668331 DRACOH10	OI-M-CGO	BF789276 602105183	0000	SALK		DAGS 405	BG151684 nag63h11	53467 nag49a01	2	8 2M0076K	1 vf14c03.	7154	66296 sc36h04.	BG153679 nag58g08.

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ALIGNMENTS

	DEFINITION	LOCUS	AI218421	RESULT 1
MAI	gh2	AI2		

218421 82 bp mRNA linear ES:
Abl0.xl Soares_NFL_T_GBC_S1 Homo sapiens cDNA clone
AGE:1845595 3', mRNA sequence. linear EST 30-NOV-1998

VERSION KEYWORDS SOURCE ORGANISM EST AI218421.1 GI:3798236

ACCESSION

Biskryota; Metazoa; Chordata; Cranista; Vertebrata; Biteleostomi; Mammalia; Patheria; Primates; Catarrihii; Hominides; Homo. 1 (bases 1 to 82) REI-Gab http://www.ncbi.nlm.nlh.gov/nclcgap, National Cancer Institute, Cancer Genome Amatomy Project (CGAP), National Cancer Institute, Cancer Genome Amatomy Project (CGAP), Homo sapiens

REFERENCE AUTHORS TITLE

JOURNAL

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Outpublished (1997)
Outpublis

FEATURES

source /organism="Homo sapiens" /db_xref="taxon:9606" /clone="IMAGE:1845595"

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FEATURES
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ORGANISM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              JOURNAL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             46 AAATTTCTAGGAATTAAAAGC 66
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 AGATTTCTAGGAATTCAAATC 21
                                                                                                                                                                                                                                                                                                                                                                                                  High quality sequence stop: 84.
                                                                                                                                                                                                                                                                                                                                                                                                                                              Plate: 0023 row: P column: 07
Seq primer: CACACAGGAAACAGCTATGACC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           University of Utah Genome Center
University of Utah
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Contact: Robert B. Weiss
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Unpublished (2000)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          plasmid inserts
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Mouse whole genome scattolding with paired end reads from LUKD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Islam, H., Löngacre, S., Mahmoud, M., Weenen, E., Pedersen, T., Reilli, M., Rose, M., Rose, R., Stokes, R., Tingey, A., von Niederhausern, A. and Wright, D., Weiss, R.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Dunn, D., Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hamil, C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Mus musculus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AZ782789 84 bp DNA linear GSS 16-PEB-20 2M0023P07R Mouse 10kb plasmid UUGCIM library Mus musculus genomic
                                                                                                                                                                                                                                                                                                                                                                                                                        Class: plasmid ends
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Err
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Fax: 801 585 7177
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
1 (bases 1 to 84)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Eukaryota, Metazoa; Chordata, Craniata; Vertebrata; Euteleostomi
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AZ782789.1 GI:12916863
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       clone UUGC2M0023P07 R, DNA sequence.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              585 5606
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   from the same 3 libraries. The pools consisted of I.M.A.G.E. clones 297480-302087, 682632-687239,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NCI_CGAP_GCB1) were mixed, and ss circles were made in vitro. Following HAP purification, this DNA was used as tracer in a subtractive hybridization reaction. The driver was FCR-amplified cDNAs from pools of 5,000 clones made
                      musculus (57BL/63 (male) was obtained from the Jackson Laboratory Meuse DNA Resource (http://www.jax.org/resources/documents/dnares/). The DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
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was hydrodynamically sheared by repeated passage through
                                                                                                              /note-"vector:
                                                                                                                                    /lab_host-"E. Coli strain XL10-Gold, T1-resistant, F-"
                                                                                                                                                                                                 /clone_lib="Mouse 10kb plasmid UUGClM library"
                                                                                                                                                                                                                                                  /db_xref="taxon:10090"
                                                                                                                                                                                                                                                                                    /strain="C57BL/6J"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             /lab_host-*DH10B"
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                                                                                                                                                                                                                            /clone="UUGC2M0023P07"
                                                                                                                                                                                                                                                                                                               /organism-"Mus musculus'
                                                                                                                                                                                                                                                                                                                                                                 Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      77.1%; Score 16.2; DB 9; Length 82; 85.7%; Pred. No. 2.9e+03; ative 0; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      11 c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Std Error: 0.00
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                                                                                                              PWD42nv; Purified genomic DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      21 t
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SOURCE

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adaptored vector DNA, and transformed into chemically-competent E. coli XII-0-cold (Stratagene) cells and selected for ampicillin resistance.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     10.5 kb range using preparative agazose gol.
electrophoresis, Vector DNA was prepared from a derivative
of penok (gi14792114|gb|NF129072.1), a copy-number
inductble derivative of plasmid R1. The vector was ligated
with adaptors complementary to the insert adaptors and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0.005 inch orifice at constant valocity. The sheared DNA was blunt end-regaired with 74 DNA polymerase and 74 polymerate bend research of the college of the state of the college of the c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    purified.
18 c
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                         14 9
                         28 t
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Matches Query Match Local Similarity Conservative 72.4%; Score 15.2; DB 17 85.0%; Pred. No. 8.5e+03; 0 Mismatches DB 17; Indels Length 84; 0,

g

ORIGIN

AA749115

oa58q04.sl NCI_CGAP_GCB1 Homo sapiens cDNA clone IMAGE:1309206 3', mRNA sequence. AA749115 mRNA linear EST 27-JAN-1998

ARKSTON AA749115.1 GI:2789073

ORGANISM Homo sapiens

National Cancer Institute, Cancer Genome Anatomy Project (CGAP), NCI-CGAP http://www.ncbi.nlm.nih.gov/ncicgap Mammalia; Eutheria; Primates; Catarrhini; HOMinidae; Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; 1 to 73)

JOURNAL Contact: Robert Strausberg, Ph.D. Unpublished (1997)

Tissue Procurement: Louis M. Staudt, M.D., Ph.D., David Allman, cgapbs-remail.nih.gov

cDNA Library Arrayed by: Greg Lennon, Ph.D.
DNA Sequencing by: Washington University Genome Sequencing Center
DNA Sequencing by: Washington University Genome Sequencing Center
Clone distribution: NIT-CARP Clone distribution information can be
found through the I.M.A.G.S. Consortium/LLNL at: h.D., Gerald Marti, M.D. M. Bento Soares, Ph.D., M. Fatima

High quality sequence www-bio.llnl.gov/bbrp/image/image.html Insert Length: 805 Std Error: 0.00 Seq primer: -40ml3 fwd. ET from Amersham High quality sequence stop: 65.

source

/clone_lib="NCI_CGAP_GCB1" /organism="Homo sapiens" /db xref="taxon:9606" /clone="IMAGE:1309206"

Notice Westor: PTTD-Pas (Pharmacia) with a modified polylinker; Sitea; Not I; Sitea; Exo RI; Ist strand GDNA was prepared from human towsillar cells entiched for germinal center B cells by flow sorting (CDD), TDD); provided by Dr. Jouis M. Skudd (MCI), Dr. David Allann (MCI) and Dr. Gesald Marti (CBD). CDNA synthesia wes Dried with a Moc I: - 0.1390(ET) primer visit a MOC III of 100 primer vis /lab_host-"DH10B" germinal center B cell"

RESULT 5	OY 5 TYCTNGGANTYCHAM 20 5 1 1 5 30 TYCTNGGANTYCHAM 15	Ouery Match 66.6%, Score 14.4; DB 10; Length 63; Best Local Smilarity 93.6%, Poed No. 2e-04; I; Indels 0; Gaps 0; Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;	The Samual Robert a Boble Proposition 2310 mm Solve Parkay, Ardmore, OK 79402, USA Part 180 221 7002 Part 180 221 7002 Part 180 221 7002 Part 180 221 7002 Part 180 201 7002 Part 180 201 7002 Part 180 7002 Pa	SORGER barrel medic. ORBANIS Medicago truncatila ORBANIS Medicago truncatila Spermitophyri Maghanippy; accept principle of the description of the spermitophyri Maghanippy; accept principle of t	RESULT A AMS901256, 1 AMS901256, 1 DP MRNA linear EST 21-DEC-2000 DETRITION WR9202058121050 Developing the Medicago truncatula cDNA clone ACCESSION MR920205 3 7, mBNA sequence. VERSION MR95026 3 C 111957377	Opery Metch 65.5%, Score 14.6; Ds 9; Length 73; Bet Local Stallarity 81.0; Pred; Do. 1.6e-04; Indols 0; Gaps 0; McCless 17; Conservative 0; Misauches 4; Indols 0; Gaps 0; 1.0e-05; D. 1.0	Double Stranded COWA, was limited to Boo RI adaptors Induction of the Coward Research of the Most
RESULT 6	Oy 4 T	Query Mat Best Loca Matches	BASE COUNT ORIGIN	FEATURES Source	JOURNAL COMMENT	ORGANISM REFERENCE AUTHORS	LOCUS DEFINITION ACCESSION VERSION KEYWORDS SOURCE

AZ437380

RESULT 6 BH851999

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Source
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21 TTTCTAGGAATTCACA 36
                                            4 TTTCTAGGAATTCAAA 19
                                                                                        15;
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Location/Qualifiers
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Seg primer: CACACAGGAAACAGCTATGACC
Class: Plasmid ends
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Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly,
M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A.
and Wright,D., Meiss,R.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       97 bp DNA linear GSS 03-0CT-201
100225812R Mouse 10kb plasmid UUGCIM library Mus musculus genomic
clone UGGC1M0225812 k, DNA sequence.
                                                                                                         Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00
Plate: 0225 row: B column: 12
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Fax: 801 585 7177
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University of Utah
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Contact: Robert B.
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Mammalla; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus
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                                                                                        Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4
                                                                                                                                                                                                                                                                                                                                                                                                                                           polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (http://www.jax.org/resources/documents/dnares/). The DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    musculus C57BL/6J (male) was obtained from the Jackson 
Laboratory Mouse DNA Resource
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           /note-"Vector: PWD42nv; Purified genomic DNA from M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      /lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            /clone="UUGC1M0225B12"
/clone_lib="Mouse 10kb plasmid UUGC1M library"
/sex="Male"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   /db_xref="taxon:10090"
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                                                                                                         93.8%;
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                                                                                        0
                                                                                                         Score 14.4; DB 17;
Pred. No. 2e+04;
                                                                                        Mismatches
                                                                                   l; Indels 0;
                                                                                                                           Length 97;
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COMMENT
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Contact: Joseph R. RcKer
Salk Institute Genomic Analysis Laboratory (SIGNAL)
The Salk Institute for Biological Studies
10010 N. Torrey Yines Road, Ja Jolia, CA 92037, USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Eskarycia, Viridijantae, Streptophyta; Eshryophyta, Tzacheophyta;
Spematophyta, Magnoliophyta, eudoryjadona; ozee eudioots;
Rosikae, mirosids (1); Brassicales; Brassicaceae; Arabidopsis,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Class: TDNA tagged
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Fax: 858 558 6379
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A Sequence-Indexed Library of Insertion Mutations in the
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      Contact: Robert Strausberg, Ph.D
                                 Unpublished (1997)
                                                                                                                                                                                                                                                                          Homo Sapiena
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BG153679.1 GI:12665709
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Similarity 84.2%;
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                                                                  Tumor Gene Index
                                                                                                          National Cancer Institute, Cancer Genome Anatomy Project (CGAP)
                                                                                                                                     NCI-CGAP http://www.ncbi.nlm.nih.gov/ncicgap
                                                                                                                                                                                                       Mammalia; Eutheria; Primates; Catarrhini; Hominidae;
                                                                                                                                                                                                                                         Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
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//color=Turnbidgesis tibalisma lines
seach of which contains one or more TURN insertion
elements. The resultant fragment for each line was
directly sequenced to determine the genomic sequence at
the site of insertion. Details of the protocols used can
the site of insertion. Details of the protocols used can
be found at http://signal.salk.edu/vdns_protocols.html*
a 4 c 129 4 20 t
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Pred. No. 2.5e+04;
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CDNN Library Arrayed by: The LN A.G.E. Consortium/LLNL
CDN Library Arrayed by: The LN A.G.E. Consortium/LLNL
Requesting by: Maximum Control 
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Seg primer: -40UP from Gibco.
                                                                                                                                           Babil estématon wurit edu
This chome is antikabe through: Resden, Invitrogen Corp. 2130
South Memorial antikaw Mantsville, ML 38601 For further information
call; (800) 333 485 or contact via email: couêtesgen.com
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                                                                                                                                                                                                                                                                                                                                                                                           Contact: Shoemaker R/Public Soybean EST Project
Public Soybean EST Project
Washington University School of Medicine
Washington University School of Medicine
4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108, USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Unpublished (1999)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Public Soybean EST Project
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Shoemaker,R., Keim,P., Vodkin,L., Erpelding,J., Coryell,V.,
A. Bolla,B., Marra,M., Hillier,L., Kucaba,T., Martin,J.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       pkaryota; Viridiplantae; Streptophyra; Embryophyta; Tracheophyta;
Spermatophyta; Magnollophyra; emdicoryledons; core emilocis;
Rodidae; eurosids 1; Embales; Embaceme; Papillonoideme; Phaseoleme;
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Directionally clouded into UGG sites. Size-selected on
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cDM Library preparation; Dwydd B. Kriaman, Ph.D.
Reference; Kriaman et al. (1996) Cancer Massarch
56:3539-3383."
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/clone_lib="NCI_CGAP_Co
                                       /organism="Glycine max"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 AGATTTCTAGGAATTCAAA 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          16;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              National Institute of Genetics
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Center For Genetic Resource Information
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Contact: Tadasu Shin-i
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Unpublished (2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Expressed genes in X. laevis embryc
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Kitayama, A., Terasaka, C., Mochii, M., Ueno, N., Shin-i, T. and Kohara
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Xenopodinae;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Amphibia; Batrachia; Anura; Mesobatrachia; Pipoidea; Pipidae;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Xenopus laevis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     African clawed frog.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         BJ077154.1 GI:17522070
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        laevis cDNA clone xL060a15 3', mRNA sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       BJ077154 NIBB Mochii normalized xenopus tailbud library xenopus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (bases 1 to 47)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 81-559-81-6855
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Yata, Mishima, Shizuoka 411-8540, Japan
81-559-81-6856
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       tshini@genes.nig.ac.jp
                                                                                                  'Notes "Nector: pBSRM3; Site_1: NotI; Site_2: ExoRI; cOMMa were oligo-cip Fined and directionally cloned. Staging according to Nieswkoop and Waber. Library is subtracted and was constructed by N. Garrett and A.M. Zorn, (Rellomes/CRC Institute). "
(Rellomes/CRC Institute)."

a 3 c 9 g 22 t 4 others
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      and also lated from hawws of 2 3 week old greenhouse grown plants. Complementary DNA was synthesized from maRN wiling lidated to the blunt ended cDNA frogeness followed by digestion with sood and Handlin. The cDNA frogeness were affectionally closed into the Book! Handlin repriction were transformed that the DNA from the Sook Handlin repriction were transformed that on this blook of the Sook Handlin control by Dr. Bandy Shoemaker and Dr. John Republing.
                                                                                                                                                                                                                                                             /tissue_type="whole embryo"
/dev_stage="stage 25"
                                                                                                                                                                                                                                                                                                                                           /clone_lib="NIBB Mochii normalized Xenopus tailbud
                                                                                                                                                                                                                                                                                                                                                                          /clone="XL060a15"
                                                                                                                                                                                                                                                                                                                                                                                                    /db_xref="taxon:
                                                                                                                                                                                                                                                                                                                                                                                                                         /organism="Xenopus laevis"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              /note="Vector: pT7T3Pac (pT7T3, Pharmacia); Site_1: EcoRI; Site_2: HindIII; This cDNA library was constructed from
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                /clone_ib="GENOME SYSTEMS CLONE ID: Gm-c1014-1232"
/clone_ib="Gr-c1014"
/tissue_type="Leaves, 2-3 week old seedlings, greenhouse
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       /lab_host-"DH10B"
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88.2%; Pred. No. 3.9e+04;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Xenopus.
                         65.7%; Score 13.8; DB 13; Length 47;
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ORIGIN

Matches

ORIGIN

AZ810918

clone UUGC2M0076K14 R, DNA sequence.

FEATURES

COMMEN. REFERENCE SOURCE KEYWORDS VERSION

JOURNAL

AUTHORS

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DEFINITION
                                                 A2810918/c
                                                                        RESULT 11
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                                                                                                                                            29 AGTICTAGGAATIGAAA 45
                                                                                                                                                                                                                                                             Local Similarity
                                                                                                                                                                                         3 ATTTCTAGGAATTCAAA 19
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AZ810918 69 bp DNA linear GSS 20-FEB-200
ZM0076K14R Mouse 10kb plasmid UUGCIM library Mus musculus genomic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Seq primer: -40ml3 fwd. ET from Amersham
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  This clone is available royalty-free through LLNL; contact the 
IMAGE Consortium (info@image.llnl.gov) for further information.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Washington University School of MedicineP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Contact: Marra M/Mouse EST Project
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Unpublished (1996)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               The WashU-HHMI Mouse EST Project
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Marra,M., Hillier,L., Allen,M., Boeles,M., Dietrich,N., Dubuque,T.,
Geisel,S., Kuceba,T., Lacy,M., Le,M., Martin,J., Moris,M.,
Schellenberg,K., Steptoe,M., Tan,F., Underwood,K., Moore,B.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Bukaryota; Metazoa;
Mammalia; Butheria;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  vf14c03.sl Knowles Solter mouse unfertilized egg Mus musculus cDNA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Theising, B., Wylie, T., Lennon, G., Soares, B., Wilson, R. and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AA422541.1 GI:2101361
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                                                                                                                                                                                                                                                                                                                                                       22 a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   mouseest@watson.wustl.edu
                                                                                                                                                                                                                                                                                                                                                                         vector using commercial linkers (NEB). Average insert size: 1.0 kb."
                                                                                                                                                                                                                                                                                                                                                                                                                  5'-CGGTCGACCGTCGACCGTTTTTTTTTTTTTTTT-3'. CDNAs were cloned into the MluI/SalI sites of a modified pBluescribe
                                                                                                                                                                                                                                                                                                                                                                                                                                                          (modified), Site_1: MuI, Site_2: SalI; Cloned
unidirectionally from mRNA prepared from 5000 unfertilized
eggs. Primer: SalI(dT):
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         /tissue_type="unfertilized egg"
/lab_host="DH10B"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    /strain="C57BL/6J x DBA/2J F1"
/db_xref="taxon:10090"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              /note-"Organ: unfertilized egg; Vector: pBluescribe
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      /clone_lib="Knowles Solter mouse unfertilized egg"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 /clone="IMAGE:835684"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     /organism="Mus musculus"
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Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus
1 to 49)
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                                                                                                                                                                                                                                                        Score 13.8; DB 9; Length 49;
Pred. No. 3.8e+04;
                                                                                                                                                                                                                                                                                                                                                  10 9
                                                                                                                                                                                                                                      Mismatches
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A2956832
                                2M0223C05R Mouse 10kb plasmid UUGC2M library Mus musculus genomic
clone UUGC2M0223C05 R, DNA sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           High quality sequence stop: 69
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Plate: 0076 row: K column: L4
Seq primer: CACACAGGAAACAGCTATGACC
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Fax: 801 585 7177
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          University of Utah Genome Center
University of Utah
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and selected for ampicillin resistance."
a    16 c    10 g    22 t
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/clone-"UUGC2M0076K14"
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88.2%; Pred. No. 3.8e+04;
ative 0; Mismatches 2; Indels
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Fax: 801 585 7177
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/strain="C57BL/6J"
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Dunn, D., Aoyegi, A., Barber, M., Beacorn, T., Duval, B., Hamil, C., Elama, H., Longacre, S., Maheoud, M., Meenen, E., Pedersen, T., Reilly M., Rose, M., Rose, R., Stokes, R., Tingey, A., von Niederhausern, A. and Wright, D., Weiss, R.
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/nota="Vector: PWD42nv; Purified genomic DNA from M.
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                                           Score 13.8; DB 17; Length 69;
Pred. No. 3.8e+04;
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Gaps
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FEATURES	REFERENCE AUTHORS TITLE JOURNAL COMMENT	RESULT 14 BG151684/C LOCUS DEFINITION ACCESSION VERSION KETWORDS SOURCE ORGANISH	Query Match Best Local Matches 1 Qy 2 GAT Db 24 GAA	BASE COUNT	FEATURES SOUTCE	VERSION KEYWORDS SOURCE ORGANISM REFERENCE AUTHORS TITLE JOURNAL COMMENT
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Query Match 65.7%; Score 13.8; DB 12; Length 88; Best Local Similarity 98.7%; Pred4, No. 3.7-044; Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;	//time_lpe-"Nrt_Compton() //time_lpe-"nrt_Co	cOMA. Library representation: David B. Krisman. Ph. D. COMA. Library representation: David B. Krisman. Ph. D. COMM. Library Arryand by The L. M. A. E. Commontium/LIAM. COMM. Library Arryand by The L. M. A. E. E. Commontium/LIAM. COMM. Library Arryand by The L. M. A. E. E. Commontium/LIAM. COMM. Library Arryand by The L. M. A. E. E. Commontium/LIAM., send email to: Local tone of the L. M. A. E. E. Commontium/LIAM., send email to: LOCAL TOWN COMMONTIAN COMMONTIAN COMMONTIAN COMMONTIAN COMMONTIAN COMMONTIAN COMMONTIAN COMMONTIAN COMMONTIAN COMMONTAIN COMMONTAIN COMMONTIAN COMMONTIAN COMMONTIAN COMMONTAIN COMMONTAIN COMMONTIAN COMMONTIAN COMMONTIAN COMMONTAIN		OV 2 CHITCHARANTCHA 18 Db 40 CHITCHARANTCHA 14 BESSULT 15 BESSULT 15 DUTINITION SHARE STATE CARP COLD HAVE COME LANGE LINES COME COME COME COME COME COME COME COME	SE COUNT 22 a IGIN Query Match Best Local Similari Best Local Similari	## Notice 1.82 ** "Homo applens* Adh_west-*Association Adh_west-*Associa

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Tho UDS sites. Size-selected on Insert size 300 bp. Primary library.

Devid B Krizman. Ph.D.

Ll. (1996) Cancer Research
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A.A.G.E. Consortium/LLNL
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one distribution information can be
sortium/LLNL, send email to:
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Search completed: December 25, 2002, 12:30:48 Job time: 2991 secs

12 9 US-10-118-977-23 Sequence 24, 29 US-10-118-977-24 Sequence 24, 12 9 US-10-118-977-24 Sequence 24, 12 9 US-10-118-977-24 Sequence 26, 12 10 US-05-04-218-266 Sequence 26 US-05-04-218-267 Sequence 26 US-05-04-218-267 Sequence 26 US-05-05-05-218-267 Sequence 27 US-05-05-05-05-05-05-05-05-05-05-05-05-05-	6 6.7. 9 10 08-09-816-733-112 Sequence 11 6 6.7. 9 10 108-09-816-733-112 Sequence 11 6 6.7. 9 10 108-09-816-733-11 Sequence 21 6 6.7. 11 9 108-10-113-77-25 Sequence 22 6 6.7. 11 9 108-10-113-77-25 Sequence 23 6 6.7. 11 9 108-10-113-77-25 Sequence 24 6 6.7. 11 9 108-10-113-77-25 Sequence 25 6 6 6 6 7 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	6 66.7 9 9 6 66.7 9 11	Result Oury SUMMAKIES Result Oury Description	Prof. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result belopper and is derived by analysis of the total score distribution.	Database: Publicad Application, Mar.: Publicade Application, Mar.: 1 (1971 - 1970 -	Post-processing: Midinum Match 10% Maximum Macthin 10% Listing first 45 summaries	Minimum DB seq length: 0 Maximum DB seq length: 100	Total number of hits satisfying chosen parameters: 221248	Searched: 363474 seqs, 203117208 residues	Scoring table: IDENTITY_NUC Gapop 10.0 , Gapext 1.0	Tille: SCHMID7875 Perfect Score: 9 Sequence: 1 ttcnnogaa 9	Run on: December 25, 2002, 14:02:35 (Sarch time 4 Seconds (Vithout alignments) 67.706 Million cell updates/sec	OM nucleic - nucleic search, using sw model	GenCore version 5.1.3 Copyright (e) 1993 - 2002 Compugen Ltd.
Ouery Match Best Local Similari Matches 6; Cons Matches 1 Tronnusgaa 9 Qy 1 Tronnusgaa 9 III III Db 1 Tronnusgaa 9	ERATURE: FRATURE: FRATURE: LOCATION: (0)(LOCATION: (0)(OTHER INFORMATION: US-10-136-224-13	LOCATION: (-74) OTHER INFORMATION FEATURE: NAME/KEY: promote	LENGTH: 9 TYPE: DNA ORGANISM: MURINE FEATURE:	PRIOR FILING DATE: NUMBER OF SEQ ID N SOFTWARE: FastSEQ	a P S S S S	o c	432	nona	n on o	nonono	33 32 33	C 227 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	றைறை	.

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FILE REFERENCE: PO7 42591

CHREWT PEPLICATION WINDER: US/10/13-5,224

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PETON FILING DATE: 1999-00-07

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SOFTMARE: REATERS FOR WINDOWS Version 3.0

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SOFTMARE: PENTERS FOR WINDOWS VERSION 3.0
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                                                                                    Query Match
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                                              Matches
                                                                                                                                                                                                                        SEQ ID NO 4
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Patent No. US20020081602Al
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Best Local
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Patent No. US20020174448A1
                                                                                                                                                                                                                                         NUMBER OF SEQ ID NOS: 4
SOFTWARE: FastSEQ for Windows Version 4.0
                                                                                                                                                                                                                                                                                   PRIOR APPLICATION NUMBER: 09/297,442
PRIOR FILING DATE: 1999-06-18
                                                                                                                                                                                                                                                                                                                              CURRENT APPLICATION NUMBER: US/09/842,761
CURRENT FILING DATE: 2001-04-26
                                                                                                                                                                                                                                                                                                                                                                                             TITLE OF INVENTION: Method for the Detection of Compounds
TITLE OF INVENTION: that Modulate the Effects of the Obese (OB) Protein
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APPLICANT: MELMED, SHLONO
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OTHER INFORMATION: STAT-BINDING SITE AT -74 TO -66
                                                                                                                                                        ORGANISM: Homo sapiens
                                                                                                                                                                             TYPE: DNA
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LOCATION: (-74)...
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                                                               Local Similarity 66.7%;
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Local Similarity 66.7%;
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US-09-816-763-112/c
; Sequence 112, Application US/09816763
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US-09-816-763-112
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; Patent No. US20020081602A1
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CURRENT FILING DATE: 2001-04-26
PRIOR APPLICATION NUMBER: 09/297,442
PRIOR FILING DATE: 1999-06-18
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TITLE OF INVENTION: Method for the Detertion of Compounds
TITLE OF INVENTION: that Hedulate the Effects of the Obese (OB) Protein
TITLE OF INVENTION: 19148-(CI)
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CURRENT FILING DATE: 2001-03-23
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APPLICANT: Art, Muriel
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                                                                                                                                                                                                                                                                                                                                                                                            OTHER INFORMATION: Consensus sequence for transcriptional factor STAT NAME/KEY: misc_feature
                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
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66.7%; Pred. No. 4.3e+07
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APELCANT: Mong, Xiao-Yang
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Patent No. US20020177218A1
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PRIOR FILING DATE: 2000-03-24
NUMBER OF 580 ID NOS: 150 - 4
SOFTWARE: PRETSED FOR WINDOWS Version 4.0
SOFTWARE: DATE 500 FOR WINDOWS VERSION 4.0
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APPLICANT: Remacle, Jose
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SOFTWARE: FastSEQ for Windows Version 4.0
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PRIOR FILING DATE: 2001-08-20
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CURRENT FILING DATE: 2002-03-29
PRIOR APPLICATION NUMBER: 60/280,658
PRIOR FILING DATE: 2001-03-30
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LOCATION: (1)...(9)
OTHER INFORMATION: n = A,T,C or G
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CURRENT FILING DATE: 2001-03-23
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APPLICANT: Art, Muriel
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hes 9; Conserv
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100.0%; Pred. No. 4.3e+07
                                                                                                                                                                                                                                                                                                                                                                                              66.7%; Score 6; DB 9; 1
66.7%; Pred. No. 2.9e+04
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    Mismatches

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RESULT 10
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CORRENT APPLICATION NUMBER: US/A/13,977
CORRENT FILIA DATE: 0007-00-39
PRIOR APPLICATION NUMBER: 05/240.658
PRIOR FILING PORT: 0001-05-00
PRIOR FILING PORT: 0001-05-00
PRIOR FILING DATE: 0001-06-00
REMER OF READ DATE: 0001-06-00
SERVING DATE: 0001-06-00
SERVING PORT: 000
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US-10-113-877-25
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PRIOR BILLING DATE: 2001-08-20
HUMBER OF SEC ID NOS: 119
SOFTMARE: FRANKED FOR WINDOWS Version 4.0
SEC ID NO 21
                                                                                                                                                                                                                                  Query Match 66.7%; Score 6; DB 9; 1
Best Local Similarity 66.7%; Pred. No. 2.9e+04.
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Best Local Similarity 66.7%; Pred. No. 2.9e+04,
Matches 6; Conservative 0; Mismatches
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Patent No. US20020177218A1
                                                                                                                                                                                            Matches
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TITLE OF INVENTION: Nethods of detecting multiple DNA
TITLE OF INVENTION: binding protein and DNA interactions in a sample, and
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PRIOR FILING DATE: 2001-03-30
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CURRENT FILING DATE: 2002-03-29
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TITES OF INVENTION: Webbods of detecting multiple DNA
TITLE OF INVENTION: binding protein and DNA interactions in a sample, and
TITLE OF INVENTION: devices, systems and Alts for practicing the same.
FILE REFERENCE: CLOH-071
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APPLICANT: Wang, X:
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                                                                                                                                                                                            Conservative
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US-10-113-877-25
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Patent No. US20020177218A1
GENERAL INFORMATION:
                                                                                                                                                                     Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SOFTWARE: PastSEQ for Windows Version 4.0
SEQ ID NO 23
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SEQ ID NO 25
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                                                                                                                                                                                                     Best Local Similarity
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MEDICAM: Many AlmorYang
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PRIOR FILING DATE: 2001-08-20
NUMBER OF SEO ID NOS: 192
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CURRENT FILING DATE: 2002-03-29
PRIOR APPLICATION UNMEER: 60/280,658
PRIOR FILING DATE: 2001-03-30
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PRIOR FILING DATE: 2001-03-30
PRIOR APPLICATION NUMBER: 60/314,330
PRIOR FILING DATE: 2001-08-20
NUMBER: OF SEQ ID NOS: 192
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CURRENT FILING DATE: 2002-03-29
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56.7%; Pred. No. 2.9e+04;
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Pred. No. 2.9e+04;
^: wiematches 3; Indels
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; Patent No. US20020177218Al
; GENERAL INFORMATION:
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                                                                                                                                     Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                             SEQ ID NO 24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 24, Application US/10113877
Patent No. US20020177218A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 23
LENGTH: 12
                                                                                                                                                                     Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Matches 6; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          MERCIANT: Nang, Xiao-Yang
APRICANT: Turpin, Peters
TITILE OF INVESTION: Methods of detecting multiple DAN
TITILE OF INVESTION: binding protein and DAN interactions in a sample, and
TITILE OF INVESTION: devices, systems and kits for practicing the same.
TITE BEREBRES: UNCONFIL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PRIOR APPLICATION NUMBER: 60/280,658
PRIOR FILING DATE: 2001-03-30
PRIOR APPLICATION NUMBER: 60/314,330
PRIOR FILING DATE: 2001-08-20
NUMBER OF SEQ ID NOS: 192
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CURRENT APPLICATION NUMBER: US/10/113,877
CURRENT FILING DATE: 2002-03-29
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NUMBER OF SEQ ID NOS: 192
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PRIOR APPLICATION NUMBER: 60/280,658
PRIOR FILING DATE: 2001-03-30
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CURRENT FILING DATE: 2002-03-29
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                                                                                                                                                                                                                                                                                                    OTHER INFORMATION: oligonucleotide
                                                                                                                                                                                                                                                                                                                                    FEATURE:
                                                                                                                                                                                                                                                                                                                                                             ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         OTHER INFORMATION: oligonucleotide
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                   LENGTH: 12
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  10 TTCGGGGAA 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 TTCNNNGAA 9
2 TICTITGAA 10
                                                                     1 TTCNNNGAA 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FastSEQ for Windows Version 4.0
                                                                                                                                     Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          66.7%;
                                                                                                                                                              66.7%; Score 6; DB 9; Length L2; 66.7%; Pred. No. 2.9e+04;
                                                                                                                                     0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0; Mismatches
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Pred. No. 2.9e+04;
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 Indels
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Gaps

0;

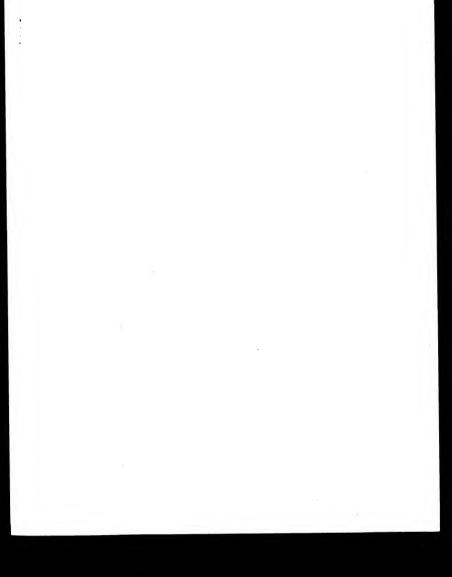
Gaps

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PRIOR PRILATION WOMEN: 09/274 555
PRIOR FILMS OFFE: 1999 07/27, 008
PRIOR APPLICATION WOMEN: 09/27, 008
PRIOR THIME DURY: 1999 07/27, 008
PRIOR THIME DURY: 1999 07/27, 008
PRIOR THIME DURY: 1999 07/27, 008/27/27
EMBERS OF SEXION SMORES: 09/28/27/27
EMBERS OF SEXION DWG: 1248
SOUTWARD: PRICATION WORSES: 00/27/27
EMBERS OF SEXION DWG: 1248
SOUTWARD: PRICATION WORSES: 00/27/27
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EMBERS OF SEXION DWG: 1248
SOUTWARD: PRICATION DWG: 1248
SOUTWARD: PRICATIO
                                                                                                                                                                                                                        ; OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid Target US-09-504-231A-366
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US-10-113-877-24
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Query Match 66.7%; Score 6; DB 10; Length 15; Best Local Similarity 44.4%; Pred. No. 3e+04;
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Patent No. US20020013458A1
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PRIOR FILLN DATE: 2001-08-20
WINESE OF SEQ ID NOS: 192
SOFTWARE: FASTSEQ for Windows Version 4.0
SED_ID NO 24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TITLE OF IMPRITOR: BELWATIC MULDIC AELD TRENTINENT OF DISEASES OR CONDITIONS RELATITIES CHIEF LIBRORY FOR THE PROPERTY BEAUTIES LIBRORY FOR LIBRORY FO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Best Local Similarity 66. 
Matches 6; Conservative
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Patent No. US20020177218A1
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APPLICANT: Macejak, Dennis
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APPLICANT:
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PRIOR FILING DATE: 2001-03-30
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: RNA
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ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          LENGTH: 15
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        66.7%; Score 6; DB 9; L
66.7%; Pred. No. 2.9e+04;
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Matches 4; Conservative 2; Mismaches 3; Indels 0; Gaps Or 1 TCHNNEAN 9

DB 7 UDCACCIAN 15
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Search completed: December 25, 2002, 22:45:49 Job time: 55 secs



TITLE	
AUTHORS	Pred. No. 1s the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
REFERENCE	26: em_gss_rod:* 27: em_gss_rod:*
ACCESSION VERSION KEYWORDS SOURCE ORGANISM	
RESULT 1 AZ835621 LOCUS DEFINITION	14 O Dunct C
å	9: 95_88:1.7 11: 95_88:2.7 12: 96_80:2.7 12: 96_80:2.7
0 0	
c 40	4: em_estru:*
c 38	
c 36	Database: EST:* 1: em_estba:*
c c	Post-processing: Minimum Match 100s Listing first 45 summaries
	Minimum DB seq length: 0 Maximum DB seq length: 100
n c 277	Total number of hits satisfying chosen parameters: 357874
	Searched: 16154066 seqs, 8097743376 residues
	Scoring table: IDENTITY_NUC Gapop 10.0 , Gapext 1.0
0 0	Perfect score: 9 Sequence: 1 ttcnnngaa 9
c 14	Run on: December 25, 2002, 12:30:59; Search time 1971 Seconds (without alignments)
c 12	OM nucleic - nucleic search, using sw model
c 10	copjangue (v) asso compugen neu.
c 7	Convertable (a 1992 - 2002 Communical Ltd

6 66.7	66.	66.	66.	66.	66.	66.	66.	6	66.	66.	66.		66.	66.	6	66.	66	66.	66.	66.	66.	66.	66.	66.	66.	66.	66	66.	66.	66.	66.	66.	66.	66.	6	66.		6
27																																						
									17	17	17	17	17	17	17	17	7	14	17	17									17	17	17	17	17	17	17	17	17	17
L32053	A2822697	AZ822697	BH863680	BH863680	AI247983	AI247983	TA273G07Q	TA273G07Q			TA196H02P	TA196H02P	AZ829302	AZ829302	A2357286	A2357286	L32040	L32040	AZ847801	AZ847801	AZ424145	AZ424145	AZ388663	AZ388663	AZ305600	A2305600	AU012492	2492	2099	196	281	8	5	AZ508843			A2484782	A2484782
32053 HU	8	8	вн863680	86368	7983	983	8764	AL487649 .	AL482493 .	AL482493 '	AL475956	AL475956 '	29302	29302	57286	357286	2040 H	2040 H	47801	847801	424145	424145	88663	388663	305600	305600	2492	92	7594	475949	816374	816374	508843	508843	430664	430664	84782	484782
HUMXP519A H	2M0096I07	2M0096I07	0 SALK_0943	SALK_0943	h63b01.x	h63b01.x	T. brucei	g	T. brucei	bi	T. brucei	g	2M0106G20	100	000	T88600k	KP2D9A	KP2D9A	2M0148G06	2M0148G06	1M0203P03	1M0203P03	1M0148J15	1M0148J15	5	1M0006A19	AU012492	92	 brucei 		2M0085005			3	1M0215D17	215D1	31	31100

ALIGNMENTS

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house mouse.	AZB35621.1 GI:13005529	CIONE UUGCZM0129L21 R,	AZ8356ZI	
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		orar the same	Linear	
		NIE CHANGE	GSS 20-PEB	

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Result No.

Score Match Length DB ID 66.7 66.7 66.7 66.7

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AZ835621 2M0129L21 AZ885621 2M0129L21 BM400102 5009-0-66 BM400102 5009-0-66 AZ360212 1M0103K04 AZ360212 1M0103K04 Description

> 84112, USA Tel: 801 585 5606 Fax: 801 585 7177 Dispublished (2000)
> Gratact; Bobert B. Weiss
> Contact; Bobert B. Weiss
> Chitect; Bobert B. Weiss
> Chitect; Bobert G. Weiss
> C

Email: ddunn@genetics.utah.edu Insert Length: 10000 Std Error: 0.00

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REFERENCE
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                                                                                                                                                                                                                   University of Utah Genome Center
University of Utah
Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 (bases 1 to 19)
Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C.,
Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00
                                                                                    Fax: 801 585 7177
                                                                                                                                                                                                                                                                                                                                                          Contact: Robert B.
                                                                                                                                                                                                                                                                                                                                                                                                     Unpublished (2000)
                                                                                                                                                                                                                                                                                                                                                                                                                                      plasmid inserts
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Mouse whole genome scaffolding with paired end reads from 10kb
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Islam, H., Longacre, S., Mahmoud, M., Meenen, E., Pedersen, T., Reilly, M., Rose, M., Rose, M., Rose, R., Stokes, R., Tingey, A., von Niederhausern, A. and Wright, D., Weiss, R.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 2M0129L21R Mouse 10kb plasmid UUGC1M library Mus musculus genomic
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Laboratory Mouse DNA Resource
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (http://www.jax.org/resources/documents/dnares/). The DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      /note="Vector: PWD42nv; Purified genomic DNA from M.
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05 inch orifice at constant velocity. The sheared DNA
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High quality sequence stop: 19
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purified. The sheared, adaptoced mouse DNA, was annealed to adaptored vector DNA, and transformed into chemically-competent E. coli XLIO-Gold (Stratagene) cells and selected for amplith resistance.
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Laboratory Mouse DNA Resource
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Best Local Similarity Conservative 66.7%; Score 6; DB 17; Length 19; 66.7%; Pred. No. 4.4e+05; ative 0; Mismatches 3; Indels 0; Gaps

0,

Tetrahymena thermophila cDNA, mkNA sequence. 5009-0-66-D02.t.2 Chilcost/Turkewitz cDNA (large fraction) BM400102 20 bp mRNA linear EST 17-JAN-2002

BM400102.1 GI:18200155 BM40010

Tetrahymena thermophila Eukaryota; Alveolata; Ciliophora; Oligohymenophorea; Hymenostomatida; Tetrahymenina; Tetrahymena, retranymena thermophila.

EST from Tetrahymena thermophila, strain CU428.1, growing cells Unpublished (2002) 1 (bases 1 to 20) Turkewitz, A.P., Kai and Klobutcher, L. Karrer, K.M., Jahn, C., Orias, E., Kirk, K.E., Frankel

Contact: Turkewitz AP Molecular Genetics and Cell Biology University of Chicago 920 B. 58th Street, Chicago, IL 60637, USA

Seq primer: T3 Kax: 773 702 4374 773 702 3172 apturkew@midway.uchicago.edu Location/Qualifiers

COMMENT

TITLE

/organism="Tetrahymena thermophila" /strain="CU428.1"

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KEYWORDS
                                                                                                                                DEFINITION
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Best Local Similarity 66.7%; Pred. No. 4.5e+05;
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    Mus musculus
                                                                                                       AZ36UZIZ 21 bp DNA Linear GSS 02-CCT-201 IM0103X04F Mouse 10kb plasmid UUGCIM library Mus musculus genomic clone UUGCIM0103X04 F, DNA sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Tetrahymena thermophila.
Tetrahymena thermophila.
Tetrahymena thermophila Ciliophora; Oligohymenophorea;
Bymenostomatida; Tetrahymenina; Tetrahymena.
                                                                  A2360212.1 GI:10473912
                                                                                       AZ36021:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               seq primer: T3
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920 E. 58th Street, Chicago, IL 60637, USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Molecular Genetics and Cell Biology
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Unpublished (2002)
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Turkewitz, A.P., Karre
,J. and Klobutcher, L.
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                        house mouse
                                                                                                                                                                                                                                                                                                                                                                Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  from Tetrahymena thermophila, strain CU428.1, growing cells
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                apturkew@midway.uchicago.edu
                                                                                                                                                                                                                                                                                                                                                                                                                                                   Colone_lib="Chilicoat/Yurkewitz cDMA (large fraction)"
/note="Wector: BlueScripts Sk*, betails on library
preparation can be found in Chilcoat and Turkewitz (2001)
Proc. Matl. Acad. Sci USA, 98 8709-8713."
a 3 c 8 9 5 5
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//odce_Westor: Busscript2 Set, Details on library
preparation can be found in Chilonat and Turkewitz (2001)
proc. Natl. Acad. Sci USA, 98: 8709-8713."
a 3 c. 8 g USA, 98: 8709-8713.
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                                                                                                                                                                                                                                                                                                                                                            66.7%; Score 6; DB 13;
66.7%; Pred. No. 4.5e+05;
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                                                                                                                            DEFINITION
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ORGANISM Mus musculus
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Match 66.7%; Score 6; DB 17;
Local Similarity 66.7%; Pred. No. 4.5e+05;
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                                                                                                                                                    AZ36021;
                                                                                                                                                                                                         clone UUGC1M0103K04 F, DNA sequence.
                                                                                                                                                                                                                                                              1M0103K04F Mouse 10kb plasmid UUGC1M library Mus musculus genomic
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Insert Length: 10000 Std Error: 0.00
Plate: 0103 row: K column: 04
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Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Eukaryota, Metazoa; Chordata, Craniata, Verrebrata, Euceleostomi,
Mammalla; Eutheria; Rodentia; Sclurognathi; Muridae; Murinae: Mus
l (bases l to 21)
nouse mouse
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Fax: 801 585 7177
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University of Utah
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ligated to the blunt ends in high molar excess. The
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was hydrodynamically sheared by repeated passage through a
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GSS
                                                                       1M0311C05R Mouse 10kb plasmid UUGCLM library Mus musculus genomic
clone UUGCLM0311C05 R, DNA sequence.
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Insert Length: 10000 Std Error: 0.00
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Fax: 801 585 7177
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University of Utah
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Islam, H., Longacre, S., Mahmoud, M., Meenen, E., Pedersen, T., Reilly,
M., Rose, M., Bose, R., Stokes, R., Tingey, A., von Niederhausern, A.
and Wright, D., Weiss, R.
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Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus
                         AZ484782.1 GI:10649960
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Seq primer: CGTTGTAAAACGACGGCCAGT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Contact: Robert B.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Unpublished (2000)
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electrophoresis. Vector DNA mas peparati from a derivative 
todomita control proposation in the optimization in 
todomita colitosiva (a presenta si). The optimization in 
todomita colitosiva (a presenta si). The optimization in 
purifical the sheared, adaptored mouse DNA was annealed to 
adaptority remote these tend translated proposation 
of the optimization of the colitosis of the colitosis of 
and selected for magnifillin resistance.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at comstant velocity. The sheared DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  note- Vector: PMD42nv; Purified genomic DNA from H. musculus C578L/53 (male) was obtained from the Jackson Laboratory Mouse DNA Resource
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        /clone_lib="Mouse 10kb plasmid UUGCIM library"
/sex="Male"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            /clone="UUGC1M0103K04"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   adaptored DNA was purified and size-selected for a 9.5 to
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ligated to the blunt ends in high molar excess.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    /lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    /strain="C57BL/6J"
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66.7%; Pred. No.
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SOURCE

ORGANISM Mus musculus

house mouse

SOURCE

ORGANISM

Mus musculus GSS AZ484782

house mouse

AZ484782.1 GI:10649960

1M0311C05R Mouse 10kb plasmid UUGCIM Library Mus musculus genomic clone UUGC1M0311C05 R, DNA sequence.

DNA

linear

GSS 05-CCT-2000

AZ484782

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source
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Fax: 801 585 7177
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             University of Utah Genome Center
University of Utah
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Insert Length: 10000 Std Err
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/note="Wector: PR04Znv | Purified genomic DNA from M.
musculus C57B/K51 (male) was obtained from the Jackson
Laboratory Mouse DNA Resource
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/sex="Male"
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0; Mismatches
                                                              Score 6; DB 17; Length 21;
Pred. No. 4.5e+05;
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

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                                                                                  GSS
            Mus musculus
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                                                                                                                                                                                                     AZ430664 22 bp DNA linear GSS 03-0CT-20
1M0215D17F Mouse 10kb plasmid UUGC1M library Mus musculus genomic
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University of Utah
University of Utah
Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
                                                                                                                                                                     clone UUGC1M0215D17 F, DNA sequence.
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Seg primer: CACACAGGAAACAGCTATGACC
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1 (bases 1 to 21)
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Fax: 801 585 7177
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Length: 10000 Std Erro
0311 row: C column: 0
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  66.7%; Score 6; DB 17; Length 21; 66.7%; Pred. No. 4.5e+05;
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                                                                                                                                                                                                                                                                                                    RESULT 10
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Mus musculus
                                                                                                                                                  clone UUGC1M0215D17 F, DNA sequence.
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Fax: 801 585 7177
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Unpublished (2000)
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GSS 03-OCT-2000

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Match 66.7%; Score 6; DB 17; Local Similarity 66.7%; Pred. No. 4.6e+05;
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Insert Length: 10000 Std Erro
Plate: 0215 row: D column: 1:
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University of Utah
Rm. 308, Blomedical Polymers Research Bidg., 20 S. 2030 E., SLC, UT
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                                                                                                                                                                                                                                                                 Inter/view.jak.cox/resources/documents/datess/). The may we syntocypomically behaved by repeated passage through a 100% and notifice at constant valcatty. The shared bin a 100% and notifice at constant valcatty. The shared bin polyrenate that the taxes. Adaptor of lipsopherena we will repeat to the blunt ands in high moiar soccess. The adaptored bin was purified and size-salected for a 5.5 to alectrophyrisis was purified and size-salected for a 5.5 to a lectrophyrisis was purified and size-salected for a 5.5 to a lectrophyrisis was purified and size-salected for a 5.5 to a lectrophyrisis was purified and size-salected for a 5.5 to a lectrophyrisis was purified and size-salected for a 5.5 to a lectrophyrisis was sized to a lectrophyrisis was sized to a lectrophyrisis was sized as a lectrophyrisis was sized
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/sex="Male"
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University of Utah Genome Conter
University of Utah
Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 B., SLC, UT
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Insert Length: 10000 Std Error: 0.00
Plate: 0215 row: D column: 17
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Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus
Mus musculus
                                                                                                                                                                                                      1M0351E06R Mouse 10kb plasmid UUGClM library Mus musculus genomic
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Fax: 801 585 7177
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Laboratory Mouse DNA Resource
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Insert Length: 10000 Std Error: (
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Fax: 801 585 7177
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University of Utah Genome Center
University of Utah
Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
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1M0351E06R Mouse 10kb plasmid UUGClM library Mus musculus genomic
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Laboratory Mouse DNA Resource
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/note="Vector: PWD42nv; Purified genomic DNA from M.
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Fax: 801 585 7177
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University of Utah
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Islam.R., Longorce.S., Mahmoud.M., Meenen.E., Pedersen.T., Reilly
A., Rose,M., Rose.R., Stokes.R., Tingey.A., von Niederhausern.A.
and Wright.D.,Mediss.R.
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Mammalla; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus
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/strain="C57BL/6J"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                66.7%; Score 6; DB 17; Length 22; 66.7%; Pred. No. 4.6e+05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0; Mismatches
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Best Local Similarity 66.7%; Pred. No. 4.6e+05;
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Mus musculus
                                                                                                                                                    2M0085005F Mouse 10kb plasmid UUGCIM library Mus musculus genomic
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                                                                                AZ816374.1 GI:12986282
                                                                                                            Cione UUGC2M0085005 F, DNA sequence. AZ816374
                            house mouse
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Fax: 801 585 7177
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clerchophoresis, vector DNA mas prepared from a derivative
clerchophoresis, vector DNA mas prepared from a
diducible derivative of planada al.) The Ordernama lighted
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chemically-components it modificated discretagemen onlie
and selected for magnifilm resistance.
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machine C7BL/50 (male) was obtained from the Jackson
machine C7BL/50 (male) was obtained from the Jackson
futtps//www.jak.org/resolutes/gocuments/doness/). The pak
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was hydrodynamically sheared by repeated pesses through a ca-
was hydrodynamically sheared by repeated pesses through a ca-
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lagated to the blust ends in high molar soccess. The
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Mismatches

 Indels Length 22;

0. Gaps

22 bp

DNA

linear

GSS 20-FEB-2001

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High quality sequence stop: 22.
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Insert Length: 10000 Std Error: 0.00
Plate: 0085 row: 0 column: 05
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                                                                                                                                                                                                                                                                                                   Seq primer: CGTTGTAAAACGACGGCCAGT
Class: plasmid ends
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Mouse whole genome scaffolding with paired end reads from 10kb
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Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus
/clone_lib="Mouse 10kb plasmid UUGC1M library"
                                          /clone-*UUGC2M0085005*
                                                                       /db_xref="taxon:
                                                                                                                 /strain-"C57BL/6J"
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COMMENT
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ORGANISM
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Iglam, H., Longacre, S., Mahmoud, M., Meenen, E., Pedersen, T., Reilly,
M., Roge, M., Roge, R., Stokes, R., Tingey, A., von Niederhausern, A.
and Wright, D., Weiss, R.
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Mammalia: Butheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus
1 (bases l. Co. 21)
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Seq primer: CGTTGTAAAACGACGGCCAGT
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Fax: 801 585 7177
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University of Utah
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Length: 10000 Std Error: 0.00
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/clone="UUGC2M0085005"
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Pred. No. 4.6e+05;
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FEATURES
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Search completed: December 25, 2002, 20:55:16 Job time : 1977 secs
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                                                                                                                         2 TTCTCTGAA 10
                                                                                                                                                                           1 TTCNNNGAA 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Bmail: nelsayeddigr.org
Details of T. brucei sequencing at the Sanger Centre are available
at http://www.sanger.ac.uk/Projects/T_brucei/.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Insert libraries for whole genome shotgun sequencing projects. Genome Sequencing: A Practical Approach, eds. M. Vaudin and B. Barrell, Oxford University Press, 1999).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          to give a tight size distribution (
4 kb). The v + 1 method used for the library construction is described in detail in Smith, H. and Venter, J.C. (Making small
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Constructed at the Institute for Genomic Research (TUGR),
Rockville ym Genomic DNA isolated from a Cioned population of
Trypanosome brucei (TEEU927/4 GUTat 10.1) was mechanically sheared
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           simmitted (10-DEC-2000) Trypanosoma bruces genome sequencing project, Sanger Centre, The Well-Come Trust Genome Compus, Hinxton, Cambridge CB10 18A, E-mail: barrell@sanger.ac.uk and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Hall, N., Bowman, S., Lennard, N.J., Doggett, J., Akkin, R.,
Chillingworth, G., Ornond, D., Harris, B., EL-Sayed, N., Hou, L.,
Mellville, S.E., Rajandream, M.A. and Barrell, B.G.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     nhlesanger.ac.uk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Direct Submission
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                                                                                                                                                                                                                                        Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                         /organism="Trypanosoma brucei"
/strain="TREU927"
/db_xref="taxon:5691"
                                                                                                                                                                                                                                                                                                                                                                             /clone="196g02"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Location/Qualifiers
                                                                                                                                                                                                                                                              66.7%; Score 6; DB 17; Length 22; 66.7%; Pred. No. 4.6e+05;
                                                                                                                                                                                                                                                                                                                                                                             6 9
                                                                                                                                                                                                                                        Mismatches
                                                                                                                                                                                                                                        3; Indels
                                                                                                                                                                                                                                              9
                                                                                                                                                                                                                                              Gaps
                                                                                                                                                                                                                                              0;
```

COMMENT